ArtisanLink | Basic User Guide

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For In Vitro Diagnostic Use

CE

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User Resources

For the latest information on Dako products and services, please visit the Dako website at:
http://www.dako.com

Installation Procedure

Dako employees will perform the initial installation and setup of all new Artisan™ instruments.

Scope

This guide contains information on advanced use and operation of the Artisan™ Link and assumes you have received basic training on the instrument. Please contact our Technical Service Group or refer to the *Artisan™ Link Advanced User Guide* for information not provided in this basic user guide. This guide does **not** provide instructions for the installation or upgrade of software or hardware.

Disclaimers

This user guide is not a substitute for the detailed operator training provided by Dako, Inc., or for other advanced instruction. Dako Technical Service Group should be contacted immediately for assistance in the event of any instrument malfunction. Installation of hardware or software on your Artisan™ Link should be performed only by a certified Dako Field Service Representative.

Updates of the operating system software, installation of antivirus software, patches etc. could negatively affect, interfere, or corrupt the DakoLink software. The user should not attempt to make changes without first contacting Dako Customer Service.

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Section 1 | Welcome to Artisan™ Link

Welcome to the Dako Artisan™ Link User Guide. This section provides an overview of the Artisan™ Link Special Stains System as well as guidelines on how to effectively use the Artisan™ Link. You should have already received training from a Dako representative.

Dako provides three documents with the Artisan™ Link system: the Basic User Guide, the DakoLink Advanced User Guide, and the Quick Reference. The **Basic User Guide** provides instructions for daily operation of the Artisan™ Link. The **Advanced User Guide**, which is not discussed here, provides instructions for configuring and managing the system. The **Artisan Link Safety Precautions** guide provides safety and maintenance guidelines required for the Artisan™ Link system and a numerical list of all the Alert messages in the language of your choice. The **Quick Reference** gives users abbreviated instructions to quickly start up the system.

Intended Use

The Dako Artisan™ Link Special Stains System is an In Vitro Diagnostic Device intended to automate microscopic slide based special stains on formalin fixed, paraffin embedded tissue sections. The device is intended to be operated by qualified professionals trained on the Artisan™ Link instrument in a pathology laboratory environment. The processed slides should be evaluated by a qualified pathologist.

Dako Artisan™ Link Special Stains System

The Dako Artisan™ Link Special Stains System consists of a slide processor, a desktop computer, and a slide labeling printer with the following components:

- Dako Artisan™ Link Special Stains Instrument
- Dako Slide Labeling printer
- Artisan™ Link Ready-to-use Reagents
- Printer for reports

Artisan™ Link Special Stains Instrument

Artisan™ Link Instrument includes a slide processor, a workstation, a slide labeling printer, and a printer.

Artisan™ Link provides walk away automation for special stains, controlling all procedural requirements and includes the following hardware:

- Patented **reaction chamber**
- **Slide carousel** with a 48 slide capacity
- **Reagent carousel** with up to 50 reagents

The **Artisan™ Link software** monitors and runs the staining instruments from the workstation PC. Each workstation has access to a **database** with historical slide information for the entire installation.

You can access the p**rinter** from the workstation during the staining procedure to print ad hoc reports. After the staining procedure, you can print historical reports, and then save and archive.

For Artisan™ Link Instrument specifications refer to *Appendix B | System Specifications*.

Dako Slide Labeling System

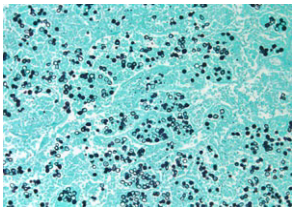
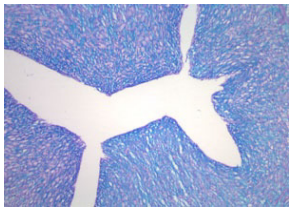
With the **Slide Labeling System**, you can print customized slide labels directly from the workstation PC to the **label printer** on demand prior to slide processing and staining. Each label has a surface for printed text and a chemical-resistant flap to protect the text. Labels are resistant to heat and to chemicals such as xylene, xylene substitutes, ethanol, methanol and other common solvents and histological stains.

The Artisan™ Link Instrument scans the **slide labels** on the **slide carousel**.

For systems specification, refer to *Appendix A | Symbol Definitions*.

Artisan™ Link Reagents

Dako Artisan™ Link special stains system uses **Dako Artisan Ready-to-Use Reagents**. The *reagents* are packaged in a patented **reagent cartridge** that provides precision dispensing of reagents.

You can use the *reagent cartridges* right out of the box. *Reagent bar-coding* enables the inventory manager to track reagent usage and expiration dating. For list and description of Dako Reagents, refer to the Dako website: http://www.dako.com.

> **IMPORTANT** Be sure to select the correct country on the website. The selection button is in the upper right-hand corner. Reagents can have different regulatory approval statuses in different countries. **You must use only those reagents that follow the regulations required in your country.** If you have questions concerning the reagent approval status in your country, please contact your local Dako representative.

Artisan™ Link Configurations

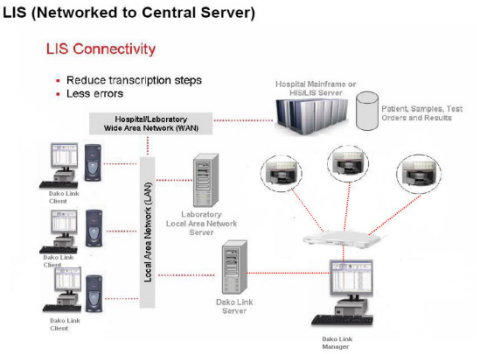
Artisan™ Link can be used to connect up to three instruments. It can be used as a **stand-alone system** or **a networking system** using ***a* LAN system**, or a **Laboratory Information System (LIS).**

The procedures for using Artisan™ Link are the same, whether you are on a stand-alone system, a LAN, or an LIS.

> **Note:** The Lab Manager or System Administrator may be in charge of system administration, depending on the lab or organization.

Contact your Lab Manager or System Administrator to determine custom settings that were configured for your workstation and your lab.

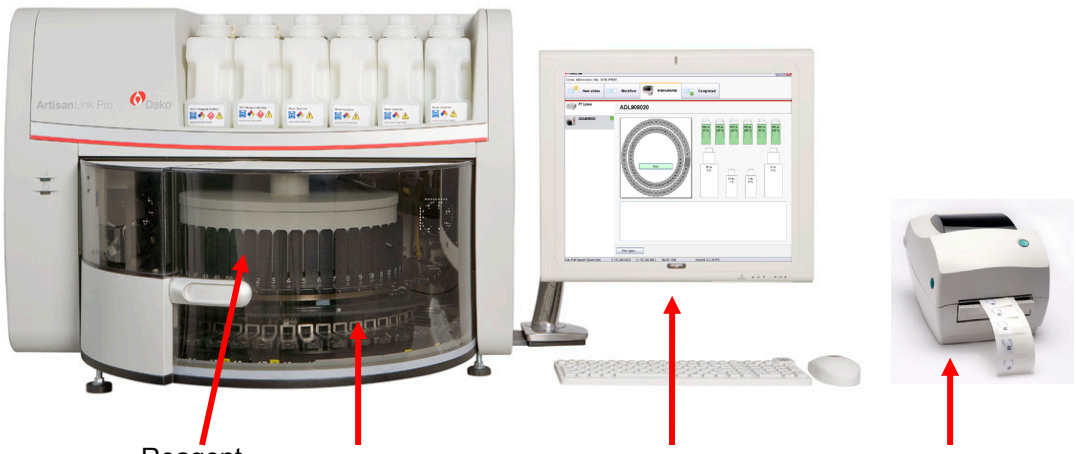
Two Artisan™ Link Configurations

Type of System	*Work Environment*	
Artisan™ Link	*Stand-alone workstation,* not *on a network.* *Computer workstation serves as a client CPU used for staining.*	
LIS	*Lab Information System (LIS), located anywhere in the laboratory can be connected to Artisan™ Link.*	

Note: This Guide will walk you through the stand-alone system as a user. For advanced features and administrative tasks, refer to the *DakoLink Advanced User Guide*.

Artisan™ Link Components

The Artisan™ Link Instrument is an integrated system with the following components: special stains instrument, workstation, slide label printer, and printer.



Artisan™ Link Workstation

The Artisan™ Link Workstation is a Microsoft Windows®-based PC and slide labeling system that runs the Artisan™ Link software.

Multiple workstations can be deployed, each running DakoLink software. Each workstation can host up to three staining instruments.

Each workstation has full access to a central database that contains all data and historical slide information for the entire installation. Each instance of DakoLink software can monitor all staining instruments on the network.

Workstation PC

A Windows-compatible PC runs the DakoLink software, which provides your primary control and interaction with the system.

Each installation maintains a central database where all information is stored, including a detailed record for every stained slide. The database resides on a single server computer or workstation, no matter how many stainers and workstations are connected. This database server workstation can also run DakoLink software. The database is automatically managed and maintained by the DakoLink software.

Dako Slide Label Printer

The slide label printer provides a chemical-resistant, self-adhesive customizable label for use in high-stress, chemically rigorous laboratory environment. Each label comprises a surface for printing and an over-label material flap, which protects the text. Slides need to be labeled prior to staining.

Artisan™ Link Robot

The Artisan™ Link Robot stains slides using a reagent carousel that holds up to 50 Reagent Packs and a slide carousel that holds up to 48 slides. Each slide position has a heater plate that can be individually activated per procedure.

Six one liter bulk liquid bottles are provided for wash solution, 95% alcohol, and 100% alcohol.

Waste Fluid Bottles

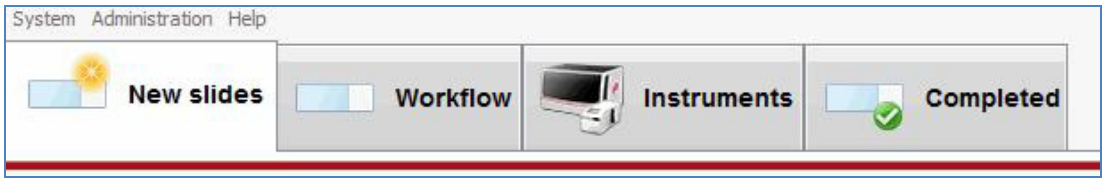
Four waste fluid bottles are provided in both 1.7 L and 4 L capacity. The DakoLink software tracks waste to four separate containers.

DakoLink Bar Code Scanner

A hand held barcode scanner is provided that allows users to scan both reagent labels and slide labels to access the history provided for each type label.

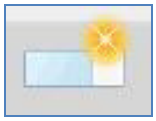
Artisan™ Link Workflow

There are four steps that comprise the flow of slides through the Artisan™ Link System. The four-step workflow is reflected in the DakoLink software with four tabs as shown below.



New Slides Tab – Use the New Slides tab to add slides to the system through the following tasks:

- Enter a case number
- Enter patient information
- Select a special stains protocol
- Print slide labels
- Complete the case



New Slides Tab

Workflow Tab

Workflow Tab – After you have added the slides to the Artisan™ Link system, the slides appear in a list on the Workflow Tab. These are slides that have procedures (protocols) specified, but have not been loaded onto a stainer.

You can use this tab to plan slides for a stainer, determine the required reagents, print reports, and manage the slides.

Instruments Tab – Once the slides are placed in the Artisan™ Link, you can use the Instruments tab to start the run. The stainer retrieves the procedure information for each slide, and processes the slides accordingly.

You can also monitor the slides and stainers on the Instruments Tab.

Instruments Tab

Completed Tab

Completed Tab –After slides are stained, you can review and print reports of their slide records on the Completed Tab, including detailed run logs.

Section 2 | Getting Started

You can access Artisan™ Link from any Link Workstation on the network. This section provides the basics for getting started within Artisan™ Link. It explains how to:

- Ensure that Artisan™ Link instrument is up-and-running
- Log into Artisan™ Link
- Log out of Artisan™ Link
- Exit the software

Ensure that Artisan™ Link is Up-and-Running

Before you access Artisan™ Link, you need to complete the following tasks in the following order:

1. Turn on the **power supply box**.
2. Close the **carousel cabinet** door of the Artisan™ Link Instrument.
3. Turn on the **computer.**

Log into DakoLink

1. Double-click the DakoLink icon on the computer desktop.

   A small screen appears that displays the version number and copyright information, followed by the **Log in** dialog box.

2. Enter your User name and Password. The password is assigned to you by your Lab Manager or System Administrator.

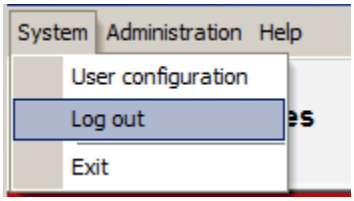
   Note: The user name is not case-sensitive, but the password is case sensitive.

3. Click the **Log in** button. The Dako user interface displays.

Log Out

If multiple users run the software, you should log out when you are done with your tasks. This prevents someone else from accidentally performing tasks under your user name.

1. Select **User log out** on the **System** menu.



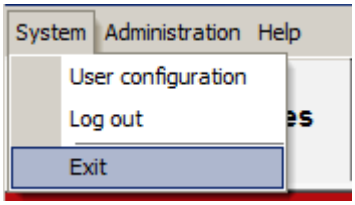
After you log out, the **Log in** dialog box appears for the next person to log in. When you logout, the Artisan™ Link continues to run.

Note: The software might be configured to automatically log you out after a period of inactivity.

Exit the Software

Note: Your administrator may not have given you privileges to exit the software.

1. Select **Exit software** on the **System** menu.



2. You are asked to confirm that you want to exit the software. Click **Yes**.

IMPORTANT The primary computer or server that runs the database for the system must never be shut down if any stainers or managers that run DakoLink software are in use. Dako recommends that the primary computer run continuously. You do not need to continuously run DakoLink software on the primary computer, but the primary computer must remain turned on.

Section 3 | Adding Slides in the New Slides Tab

The **New Slides** tab allows you to add slides for a case as well as specify the staining protocol and requirements for each slide.

There are five basic steps to follow when entering slides for a new case:

1. Enter case and patient information
2. Enter slide information
3. Edit slides details, if necessary
4. Print and apply slide labels
5. Complete the case

Before You Begin

If the refrigerated reagents are not at room temperature:

1. **Bring the *refrigerated reagents* that need to be used to ambient (room) temperature before staining (45 minutes to one hour).**

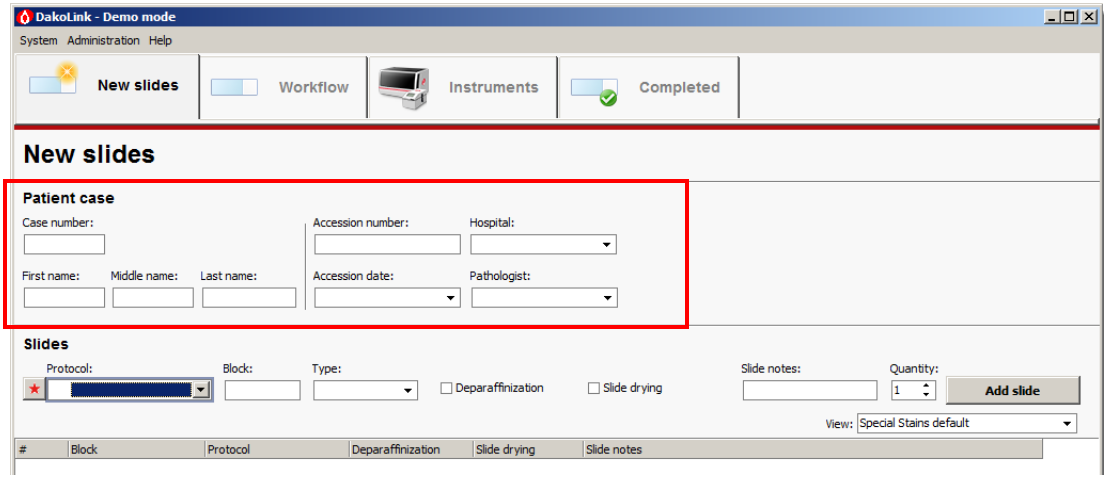
   Note: All Dako staining reagents are validated at room temperature. Using cold reagents may cause non specified staining to occur.

2. Prepare wash solution: Using the 50X wash solution, follow the package insert to make the correct dilution using laboratory grade water.

Step 1: Enter Patient Case Information

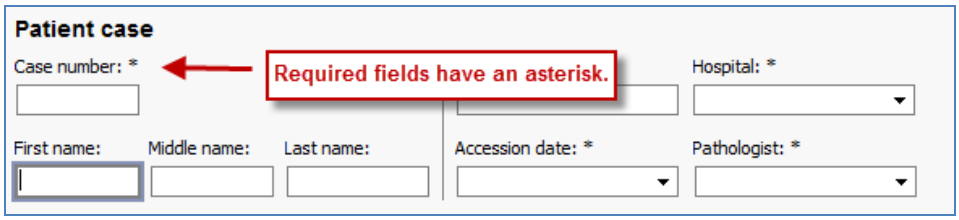
In the **New Slides** Tab, you enter two types of information.

- Under **Patient case**, you can enter case and patient information.
- Under **Slides**, you can enter slide information.



The Lab Manager or System Administrators can configure the **Patient case** entry boxes and the slide identification labels. Case information includes case number and patient information. For more information, refer to the *DakoLink Advanced User Guide.*

Note: A required field is indicated by an asterisk.



To enter case and patient information:

1. Place your cursor in the **Case number** field and type the number.
2. Tab to the next field. A blue border appears to indicate it is selected.
3. Type the required information and tab to the next field.
4. Continue until all fields are complete.

When you are finished entering the case information, you are ready to add slides for the case.

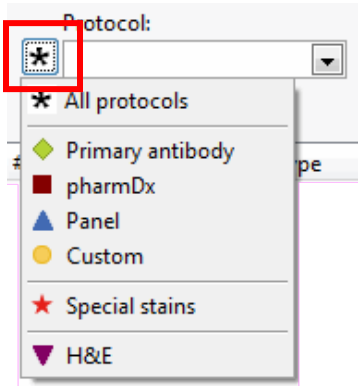
Step 2: Enter Slide Information

When adding slides for a case, you must select a stain protocol that defines how each slide or group of slides are to be stained. There are also additional optional fields you may complete.

Note: For the Artisan™ Link, protocols are called procedures. **Primary antibody, pharmDX™, Panel, Custom,** and **H&E** options are **not used** with the Artisan™ Link.

Add Slide Information

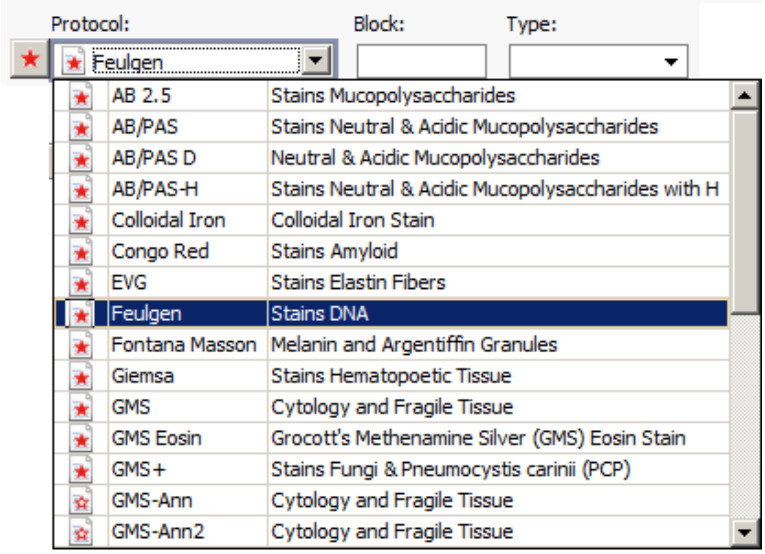
1. In the **Slides** section of the screen**,** click the **asterisk (*) icon** next to the **Protocol** field. A list of protocol “filters” displays.



2. Click **Special stains**. The **Protocol** field will now list only the special stains protocols.

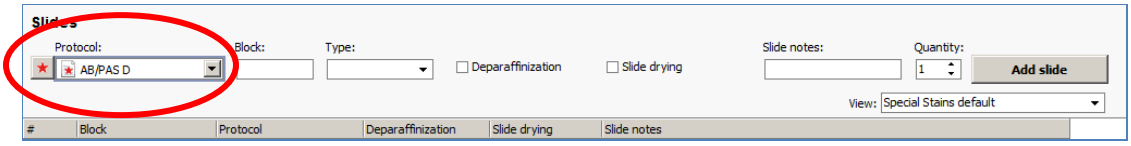
   Note: The new **Special stains** protocol filter selection remains as the default unless you change it later.

3. Click the drop-down arrow in the **Protocol** field. A list of special stains procedures displays.


Protocol:
Block:
Type:
Feulgen
AB 2.5 Stains Mucopolysaccharides
AB/PAS Stains Neutral & Acidic Mucopolysaccharides
AB/PAS D Neutral & Acidic Mucopolysaccharides
AB/PAS-H Stains Neutral & Acidic Mucopolysaccharides with H
Colloidal Iron Colloidal Iron Stain
Congo Red Stains Amyloid
EVG Stains Elastin Fibers
Feulgen Stains DNA
Fontana Masson Melanin and Argentiffin Granules
Giemsa Stains Hematopoetic Tissue
GMS Cytology and Fragile Tissue
GMS Eosin Grocott's Methenamine Silver (GMS) Eosin Stain
GMS+ Stains Fungi & Pneumocystis carinii (PCP)
GMS-Ann Cytology and Fragile Tissue
GMS-Ann2 Cytology and Fragile Tissue

4. Select the stain you want to use.

   Note: You may also type the first letters of the protocol into the **Protocol** field text box if you know the special stain you want to use.



6. If required, complete the **Block**, **Type**, and **Slide notes** fields.
7. If the slide requires **deparaffinization** only, check the box.
8. If the slide requires both drying and deparaffinization, check the **Slide drying** box.
9. To add comments, place your cursor in the **Slide notes** box and type the comments. These comments will appear on the slide report.
10. Click the **Add Slides** button.

    Note: You can add more slides of the same case and protocol by simply clicking the **Add Slide** button ***or*** by using the up or down arrows under **Quantity**.

11. Repeat Step 2 until all slides for the run are added. Then continue to Step 3.

Step 3: Edit Slide Detail, if Necessary

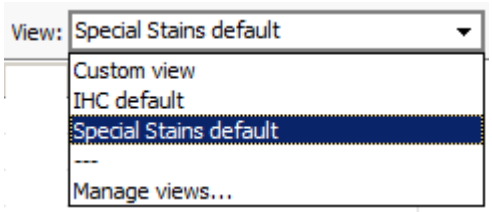
Once slides are added to the list, you can make changes to the data entered for the record, or delete the slide. You can:

- Edit the slide detail row
- Edit using the **Slide processing details** dialog box
- Delete one or more slides

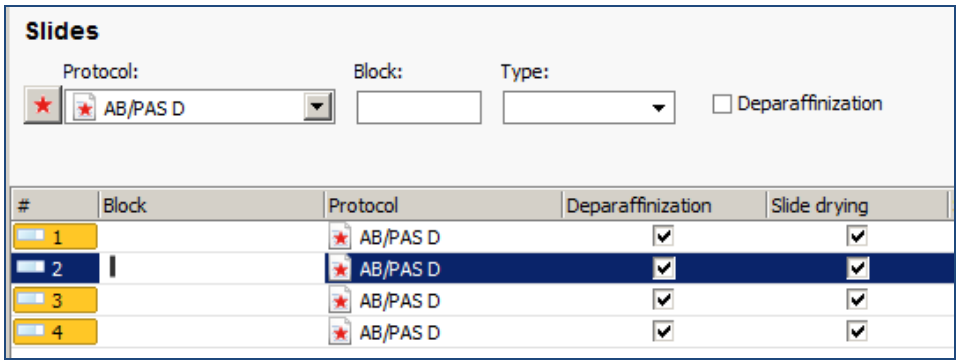
Note: Your administrator may not have given you privileges to edit slide details.

Edit the Slide Detail Row

1. Open the **View** drop down menu and select **Special Stains default**. Only column headings relevant to special stains will display in the slide list.



2. Click the row that displays the slide information you want to edit.



3. Click the field you want to change and edit the information. Changes can be made to the following fields.

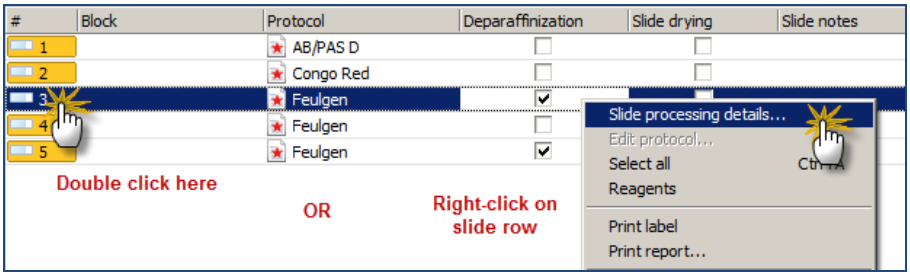
Note: If you change any information, you must print a new label for the slide.

Field	Description / Action
Block	Identifies the tissue block from which the sample was taken.
Tissue Type	Click the arrow to the right of the field to select the tissue type.
Deparaffinization	Select this field if the slide requires deparaffinization. Otherwise, leave it blank.
Slide drying	Select this field if the slide requires both drying and deparaffinization. Otherwise, leave it blank.

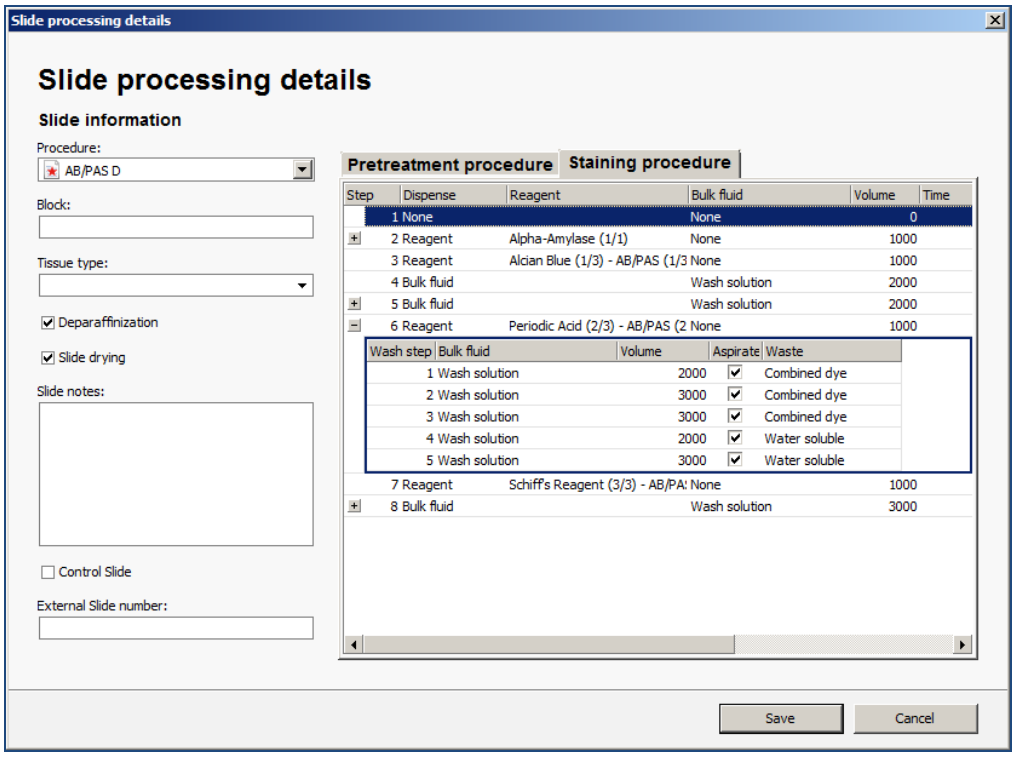
Field	Description / Action
Slide notes	Place your cursor in the field and type or edit comments about the slide. These comments appear on the slide report.

Edit Using the Slide Processing Details Dialog Box

1. Double-click the slide number, or right-click the slide row and select **Slide processing details**.



The **Slide processing details** dialog box displays:



2. Click the field you want to change and edit the information. Changes can be made to the following fields.

   Note: If you change any information you must print a new label for the slide.

Field	Description / Action
Block	Identifies the tissue block from which the sample was taken.
Tissue Type	Click the arrow to the right of the field to select the tissue type.
Deparaffinization	Select this field if the slide requires deparaffinized. Otherwise, leave it blank.
Side drying	Select this field if the slide requires both drying and deparaffinized. Otherwise, leave it blank.
Slide notes	Place your cursor in the field and type or edit comments about the slide. These comments appear on the slide report.

3. Click **Save** to save the changes, or **Cancel** to exit without saving the changes.

Delete One or More Slides

1. Select (highlight) the slide(s) you want to delete.
2. Click the **Delete slide** button. You are prompted to confirm your decision.
3. Click **Yes**. The slide is deleted from the list.

Note: A slide record is not stored in the database until you complete the case and the slide is transferred to the Workflow tab. If you delete the slide in the Workflow list, the slide record does remain in the database for historical purposes, but the slide cannot be placed onto a stainer; it will be rejected by the instrument.

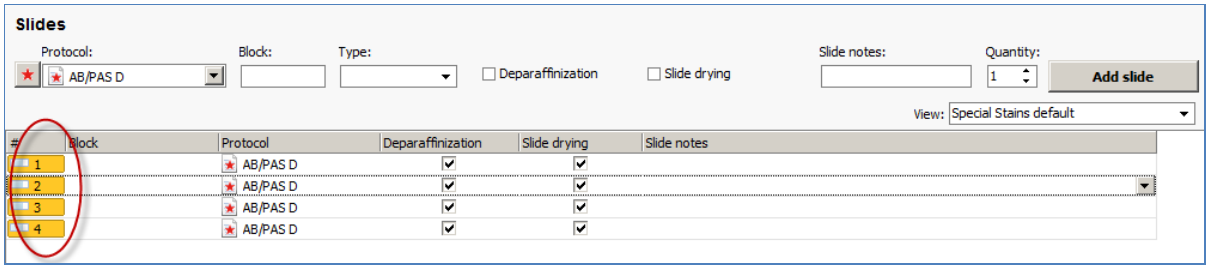
Step 4: Print and Apply Slide Labels

Note: The content and requirements for a slide label are defined by the Administrator in the **Label configuration** dialog box. To customize the labels, see the *DakoLink Advanced User Guide*.

Once you have added the slides for the case and are satisfied with the specified processing, print slide labels and affix them to the slides. You can:

- Print all labels simultaneously
- Print a label for a specific slide

Note: Slide records that have not had labels printed are highlighted in **yellow**. Once the slide label has been printed, the yellow is removed.



Print All Labels Simultaneously

1. Hold down the Shift key and select (highlight) all of the slides that require a label.
2. Click the **Print labels** button.

Print Labels for a Specific Slide

1. Select (highlight) the slide row in the slide list.
2. Click the **Print labels** button. A label prints for the selected slide.

Apply Labels to Slides

1. Apply the labels to the slides.

Note: Labels must be on slides for the instrument to perform.

Dako Slide Labeling System

The Dako Slide Labeling System generates chemical-resistant, self-adhesive, customized labels designed for use in high stress, chemically rigorous laboratory environments with up to five lines of text, which can include the following:

- Case Number
- Stain Protocol
- Number of Slides
- Block ID
- Control Slide
- Date

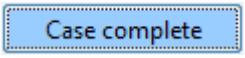
Step 5: Complete the Case

The next step is to complete your work and create a record for each slide in the database.

Note: The **Case complete** button will not be active until all labels are printed. The button turns green when all labels are printed.

Note: If you select one of the other “tabs” in the DakoLink before you completed the case, you may receive a warning depending on the general preferences you have set.

1. Click **Case complete** to save your work and create the slide records in the database.



IMPORTANT You must click the **Case complete** button to send the slides to the **Workflow** tab and before you place the slides onto a stainer.

Next Steps

You have now completed the case. Before you start the run, you can add additional cases by repeating the tasks described in Steps 1 through 4 above.

You can continue to add cases on an ongoing basis even while slides are undergoing staining on one or more stainers. The cases you add are not bound to any particular run, so you can add a whole day’s work at the beginning of the day and then decide which slides you want to run together.

Follow these guidelines before you place the labeled slides on the stainer:

Manually Dry and Deparaffinize:

1. Deparaffinize your slides according to your laboratory procedure.
2. Place hydrated slides in the Wash Solution for 5-10 minutes before loading onto the instrument.

On Board Drying and Deparaffinize:

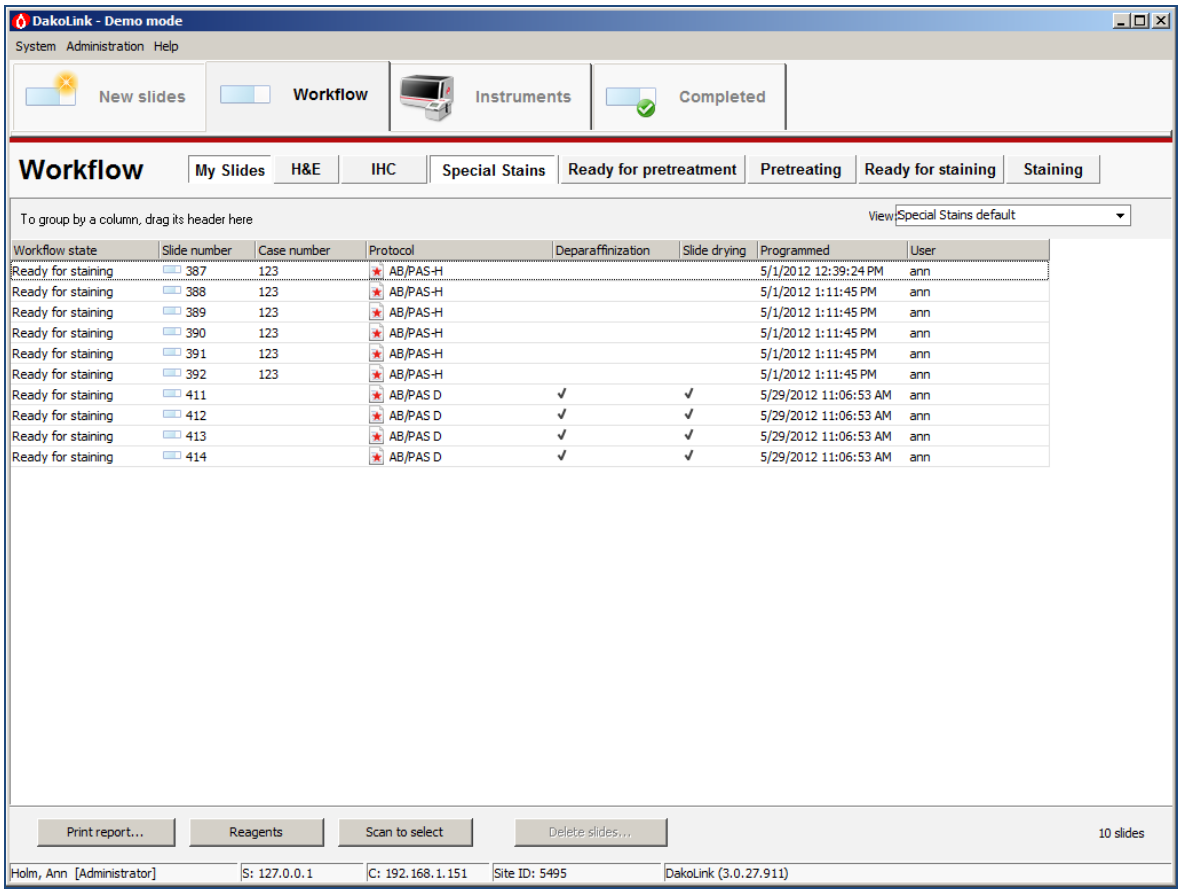
1. Allow slides to drain all excess water and air dry approximately 15 minutes before loading onto the instrument.

Section 4 | Managing Slides and Reagents in Workflow Tab

The **Workflow** screen displays slide records for slides that were entered in the New Slides screen, are awaiting assignment to an Artisan™ Link, or have been assigned to an Artisan™ Link. You can use this screen to plan and organize your workflow as well as follow the progression of the slides through the staining process. When slides begin staining, their slide records can also be viewed on the **Instruments** tab.

You can use this screen to accomplish the following tasks:

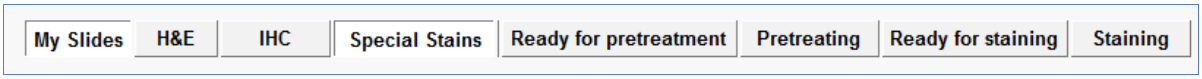
- Monitor your workflow
- Plan slides for a stainer
- Determine the required reagents
- Print reports
- Delete slides


DakoLink - Demo mode
System Administration Help
New slides
Workflow
Instruments
Completed
Workflow
My Slides
H&E
IHC
Special Stains
Ready for pretreatment
Pretreating
Ready for staining
Staining
To group by a column, drag its header here
View: Special Stains default
Workflow state | Slide number | Case number | Protocol | Deparaffinization | Slide drying | Programmed | User
Ready for staining | 387 | 123 | AB/PAS-H | | | 5/1/2012 12:39:24 PM | ann
Ready for staining | 388 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 389 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 390 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 391 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 392 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 411 | | AB/PAS D | ✓ | ✓ | 5/29/2012 11:06:53 AM | ann
Ready for staining | 412 | | AB/PAS D | ✓ | ✓ | 5/29/2012 11:06:53 AM | ann
Ready for staining | 413 | | AB/PAS D | ✓ | ✓ | 5/29/2012 11:06:53 AM | ann
Ready for staining | 414 | | AB/PAS D | ✓ | ✓ | 5/29/2012 11:06:53 AM | ann
Print report...
Reagents
Scan to select
Delete slides...
10 slides
Holm, Ann [Administrator]
S: 127.0.0.1
C: 192.168.1.151
Site ID: 5495
DakoLink (3.0.27.911)

Monitor Your Workflow

You can use the workflow buttons across the top of the **Workflow** screen to monitor your slides and make efficient use of your instruments. There are two categories of buttons:

- The first four buttons display slides according to protocol category.
- The second set of four buttons indicates where the slides are in the staining process.



Display Workflow Categories

You may select one or more than one category.

- To select a category, click the category button.
- To deselect a category, click the category button again.

To see only slides that you entered

- Click the **My slides** button.
- Click the **Special stains** button.

To see all Special Stains slides currently in staining

- Click the **Special Stains** button, and
- Click the **Staining** button. The first column in the slide list tells you the workflow state.

To see the workflow state of all slides

- Click the **Special Stains** button only.
- The first column in the slide list tells you the workflow state.

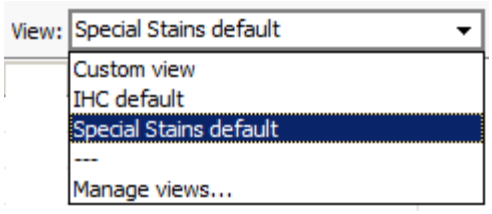
To see which stainer a set of slides is on

- Add **Instruments** to the column headings in the slide list. (See *Section 7: Managing the Slide Display.*)
- Click the **Special Stains** button and click the **Staining** button.
- Click the **Instruments** column heading. This will sort the column according to stainer.

Set the Column Default Headings

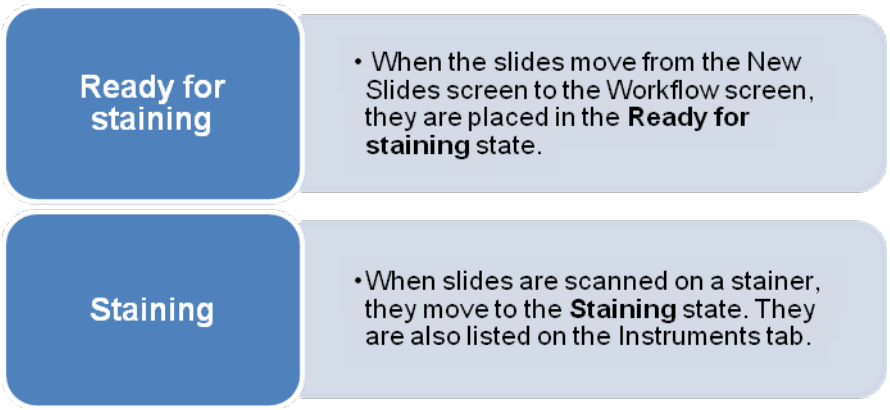
To see only column headings that relate to special stains

1. Open the **View** drop down menu and select **Special Stains default**. Only column headings relevant to special stains will display in the slide list.



Workflow Process

As the slides move through the staining process, they automatically move into the next workflow state as illustrated below. As a result, you can use the Workflow screen to track the progress and location of your slides.


Ready for staining
• When the slides move from the New Slides screen to the Workflow screen, they are placed in the **Ready for staining** state.
Staining
•When slides are scanned on a stainer, they move to the **Staining** state. They are also listed on the Instruments tab.

Note: When the staining run is complete, the slide records move from the **Workflow tab** to the **Completed tab**.

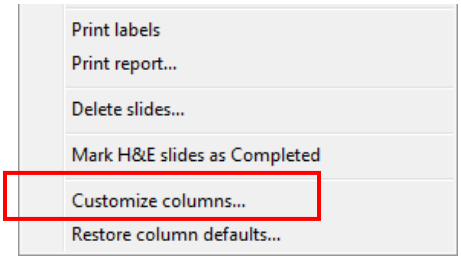
Plan Slides for a Stainer

As part of the planning process, you may select slides for a specific stainer from the slides on the Workflow screen. This gives you an opportunity to plan and organize which stainer you want to use.

Add Planned Instrument Column Heading

To see the planned instrument, you must first add the column heading in the slides list.

1. Right-click on the slide list and select **Customize columns** from the drop down menu. The **Customization** dialog box displays.



2. On the **Customization** dialog box, select **Planned instrument**, drag it to the column headings, and insert it where you want it to show.

Note: For more detailed instructions, see *Section 7: Managing the Slide Display*.

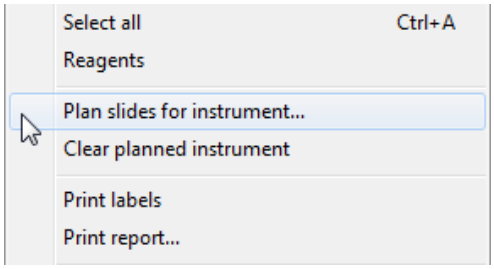
Sort the Slides

Use the Workflow buttons to sort the slides according to workflow state and/or protocol category. This will make it easier to select the slides you want to include in the planning process.

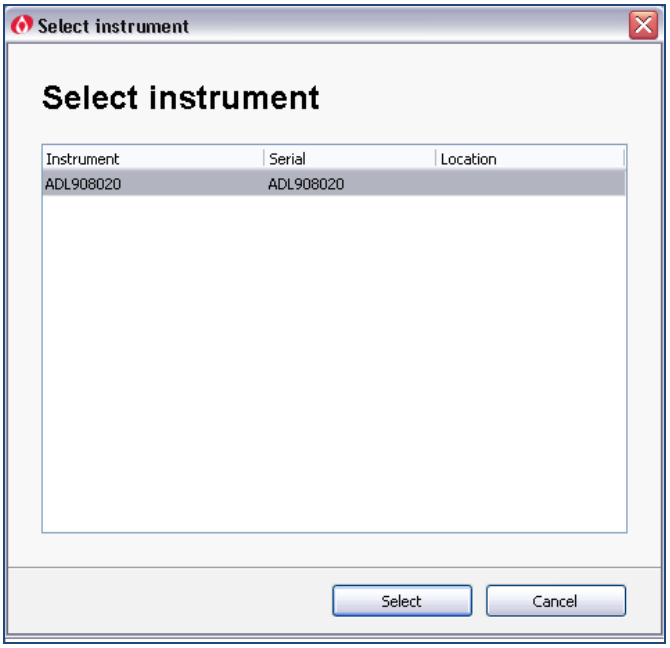
For example, you may want to click the following buttons: **My Slides**, **Special Stains**, and **Ready for Staining**.

Select a Planned Instrument

1. Select (highlight) or scan to select the slides you want to plan for an instrument. There is a 24 slide limit.
2. Right click on the row. A drop down menu displays.



3. Select **Plan slides for instrument**. The **Select Instruments** dialog box displays.



4. Select (highlight) the instrument you want to use.
5. Click **Select**. The name of the instrument appears in the **Planned instrument** column in the Slides section of the Workflow screen.

Clear a Planned Instrument

1. Select (highlight) the slides you want to remove from the planned instrument.
2. Right click in the row. A drop down menu displays.
3. Select **Clear planned instrument**. The name of the instrument is removed from the **Planned instrument** column for the selected slides.

Determine the Required Reagents

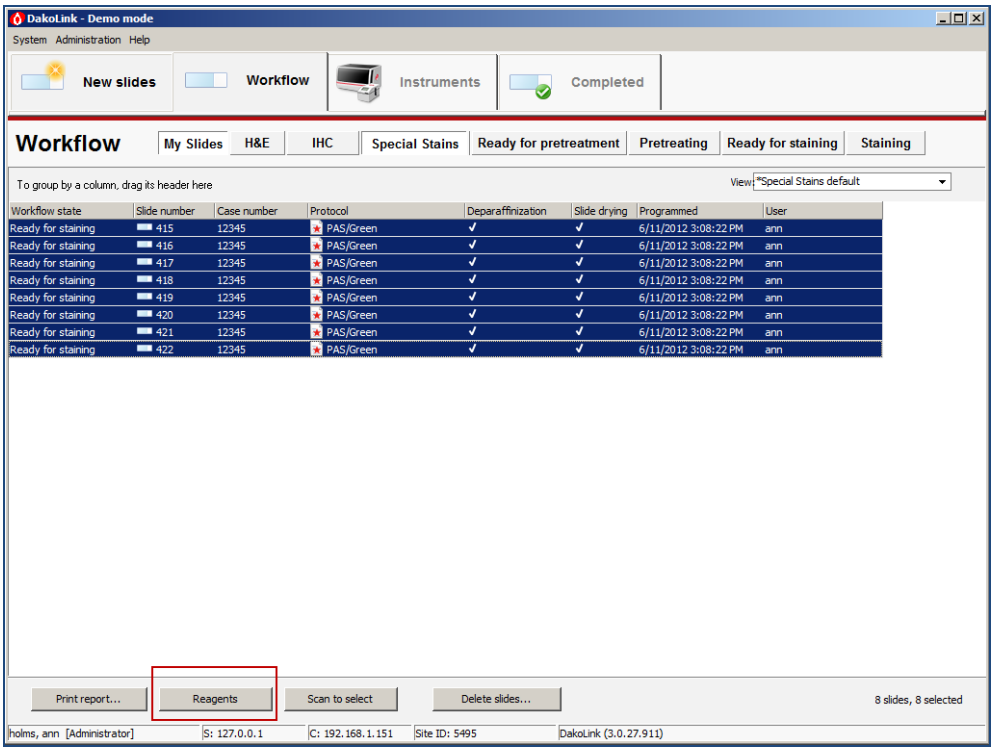
Before placing reagents onto the stainer, you must determine which reagents are required. The **Reagents** dialog box tells you the required reagents and whether or not they are available on each stainer.

Determine Required Reagents for a Group of Slides

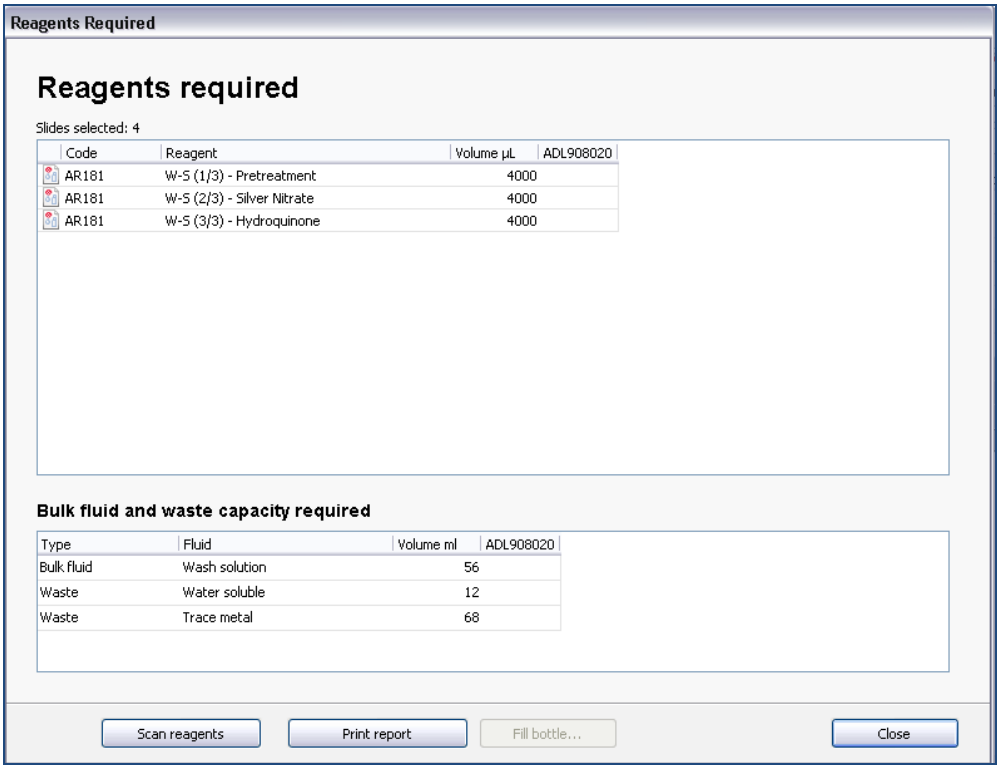
1. In the Workflow list, select (highlight) the group of slides you intend to run together. (You may use the **Ctrl key** to select more than one slide at a time.)

Note: You may also scan the slides to select them. In this case,

- Click the **Scan to select** button.
- Scan the slides.
- Click **Close** on the **Scan to select slides** dialog box.


DakoLink - Demo mode
System Administration Help
New slides
Workflow
Instruments
Completed
Workflow
My Slides
H&E
IHC
Special Stains
Ready for pretreatment
Pretreating
Ready for staining
Staining
To group by a column, drag its header here
View: *Special Stains default
Workflow state | Slide number | Case number | Protocol | Deparaffinization | Slide drying | Programmed | User
Ready for staining | 415 | 12345 | PAS/Green | ✓ | ✓ | 6/11/2012 3:08:22 PM | ann
Ready for staining | 416 | 12345 | PAS/Green | ✓ | ✓ | 6/11/2012 3:08:22 PM | ann
Ready for staining | 417 | 12345 | PAS/Green | ✓ | ✓ | 6/11/2012 3:08:22 PM | ann
Ready for staining | 418 | 12345 | PAS/Green | ✓ | ✓ | 6/11/2012 3:08:22 PM | ann
Ready for staining | 419 | 12345 | PAS/Green | ✓ | ✓ | 6/11/2012 3:08:22 PM | ann
Ready for staining | 420 | 12345 | PAS/Green | ✓ | ✓ | 6/11/2012 3:08:22 PM | ann
Ready for staining | 421 | 12345 | PAS/Green | ✓ | ✓ | 6/11/2012 3:08:22 PM | ann
Ready for staining | 422 | 12345 | PAS/Green | ✓ | ✓ | 6/11/2012 3:08:22 PM | ann
Print report...
Reagents
Scan to select
Delete slides...
8 slides, 8 selected
holms, ann [Administrator]
S: 127.0.0.1
C: 192.168.1.151
Site ID: 5495
DakoLink (3.0.27.911)

2. Click the **Reagents** button. The **Required reagents** dialog box displays.



The **Reagents required** dialog box displays the required reagents for the slides and what is currently available on each stainer as well as the bulk fluids required for the selected group of slides. It includes the following information:

Column	Description
Code	Indicates the Dako unique product identifier.
Reagent	Lists the name of the required reagent.
Volume	Lists the quantity of the reagent required for the run.
Stainer names	Indicates the volume of the reagent that is currently available on each stainer or was last on the stainer. **Note:** If nothing is listed, it means the reagent is not currently on the stainer.

Note: The calculations that determine if a reagent is required take into account the quantity of the reagent that is already committed to slides on that stainer. To see the required reagent calculations for the current set of slides, the system must first scan the slides.

Print a Required Reagents Report

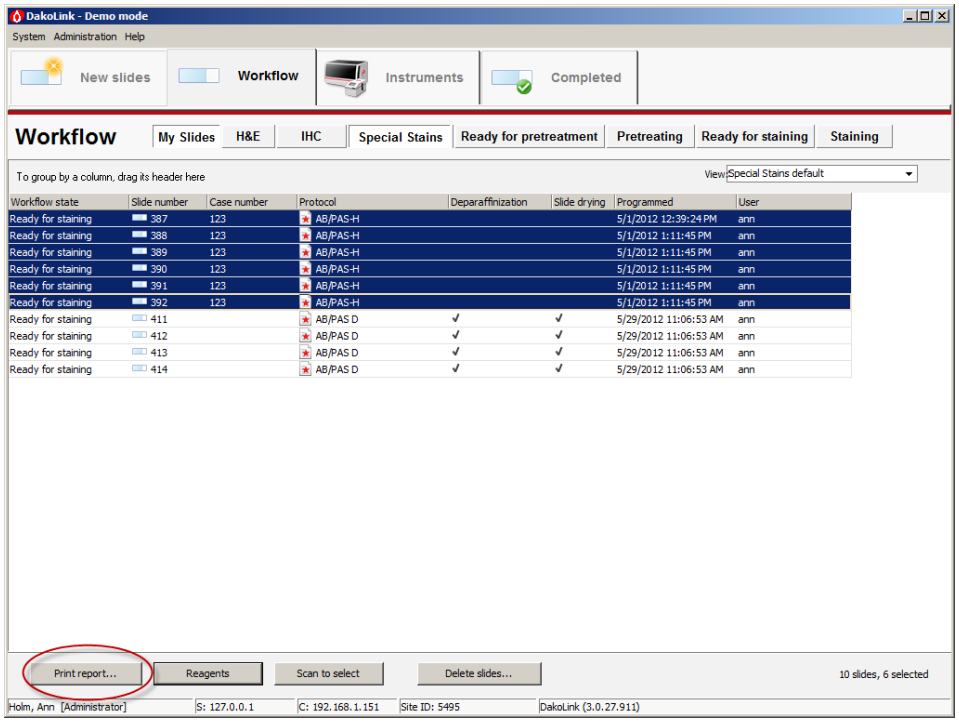
From the **Required reagents** screen, you may print a report that lists the reagents required for the slides you selected.

1. On the Workflow tab, select (highlight) the group of slides for which you want to determine the required reagents.
2. Click the **Reagents** button to display the **Reagents required** dialog box for the selected slides.
3. Click the **Print** button. The **Required Reagents** report displays.
4. On the report, click the **Printer icon** to print the report.
5. Click **Close** to return to the **Reagents required** dialog box.
6. Click **Close** to return to the **Workflow** tab screen.

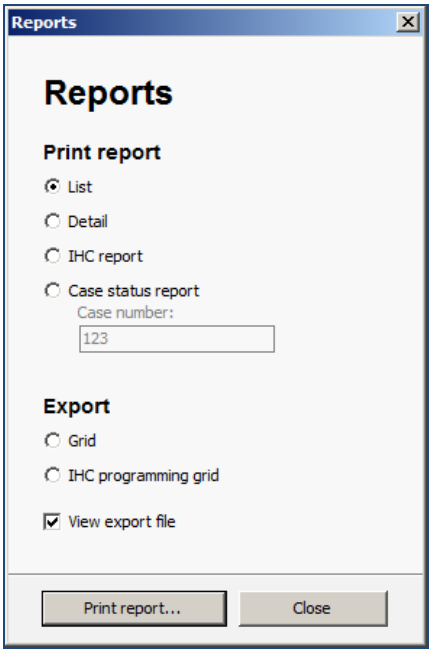
Print a Slide Report

You can print a Slide Report for individual and selected slides that you have programmed.

1. Access the **Workflow tab**.
2 Select (highlight) the slide or group of slides you want to include in the report.


DakoLink - Demo mode
System Administration Help
New slides
Workflow
Instruments
Completed
Workflow
My Slides
H&E
IHC
Special Stains
Ready for pretreatment
Pretreating
Ready for staining
Staining
To group by a column, drag its header here
View: Special Stains default
Workflow state | Slide number | Case number | Protocol | Deparaffinization | Slide drying | Programmed | User
Ready for staining | 387 | 123 | AB/PAS-H | | | 5/1/2012 12:39:24 PM | ann
Ready for staining | 388 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 389 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 390 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 391 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 392 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 411 | | AB/PAS D | ✓ | ✓ | 5/29/2012 11:06:53 AM | ann
Ready for staining | 412 | | AB/PAS D | ✓ | ✓ | 5/29/2012 11:06:53 AM | ann
Ready for staining | 413 | | AB/PAS D | ✓ | ✓ | 5/29/2012 11:06:53 AM | ann
Ready for staining | 414 | | AB/PAS D | ✓ | ✓ | 5/29/2012 11:06:53 AM | ann
Print report...
Reagents
Scan to select
Delete slides...
10 slides, 6 selected
Holm, Ann [Administrator]
S: 127.0.0.1
C: 192.168.1.151
Site ID: 5495
DakoLink (3.0.27.911)

3 Click the **Print Report** button. When the **Reports** dialog box displays, the last report type that was printed is selected.



To print a report:

4. Select one of the following **Print report** options available for special stains.

Option	Report generated……
List	Lists the slide records displayed in the on-screen list in a one-slide-per-row format. If you select specific slide records in the on-screen list, the List Report will contain only the selected records.
Detail	Lists the slides displayed in the on-screen list in a one-slide-per-row format that includes detail data for each record. Includes complete protocol and slide log.
Case status report	Type the case number in the **Case number** field. The report lists, in a one-slide-per-row format, all slide records for the selected case. The slide records are grouped by their status in the system: pending, on stainer(s), or completed.

5. Click the **Print report** button.

Note: The **Print Preview** screen is available only if **View reports on screen before printing** was selected in the **User Configuration** dialog box. See *Section 7: Managing the Slide Display*. You can use the print icon to print the report

To export the data to an Excel spreadsheet

6. Select the **Grid** check box. The **Print report** button changes to **Export**.
7. Click the **Export** button.

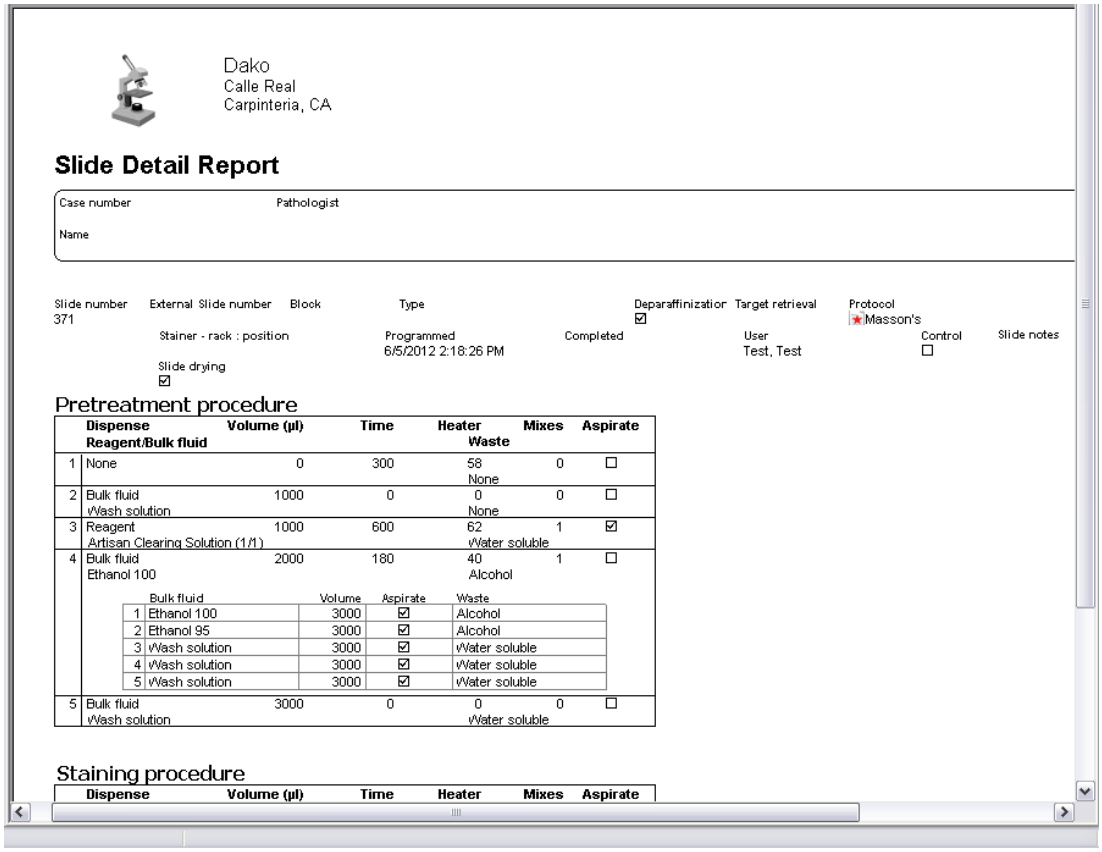
8. When prompted, save the file to a specific location.

   Note: If you selected **View export file**, the saved Excel spreadsheet displays.

9. Click the **Close** button in the Reports dialog box when done.

Sample Reports

Samples are shown below for a Slide Detail Report and a Case Status Report.



Dako
Calle Real
Carpinteria, CA

Slide Detail Report

Case number | Pathologist

Name

Slide number	External Slide number	Block	Type	Deparaffinization	Target retrieval	Protocol
371				☑		★Masson's

Stainer - rack : position	Programmed	Completed	User	Control	Slide notes
	6/5/2012 2:18:26 PM		Test, Test	☐	

Slide drying ☑

Pretreatment procedure

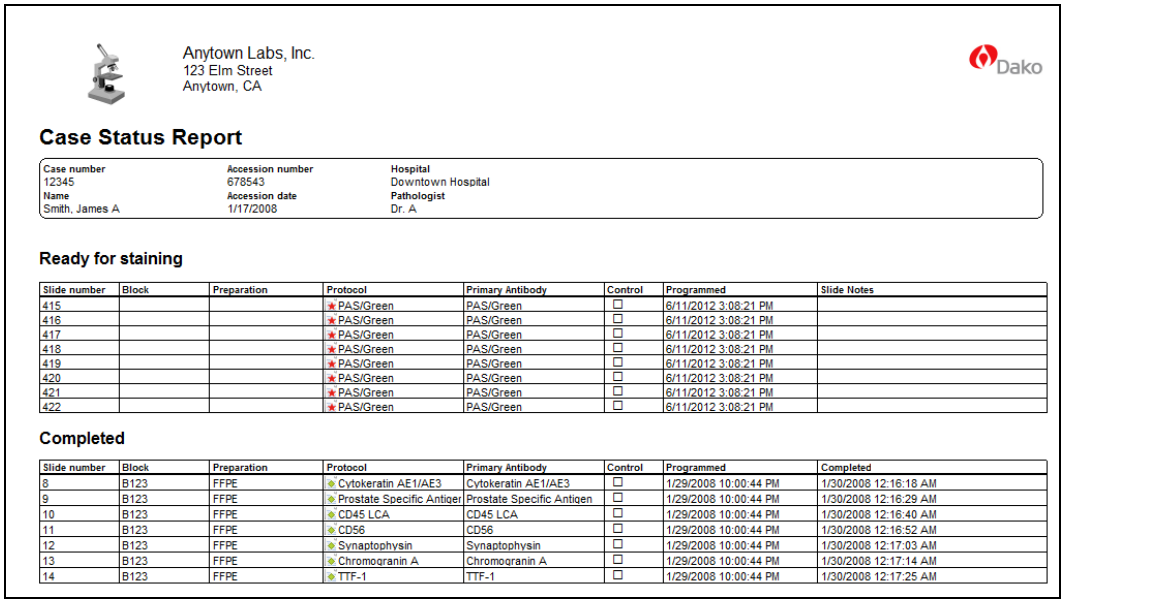
	Dispense Reagent/Bulk fluid	Volume (µl)	Time	Heater Waste	Mixes	Aspirate
1	None	0	300	58 None	0	☐
2	Bulk fluid Wash solution	1000	0	0 None	0	☐
3	Reagent Artisan Clearing Solution (1/1)	1000	600	62 Water soluble	1	☑
4	Bulk fluid Ethanol 100	2000	180	40 Alcohol	1	☐

	Bulk fluid	Volume	Aspirate	Waste
1	Ethanol 100	3000	☑	Alcohol
2	Ethanol 95	3000	☑	Alcohol
3	Wash solution	3000	☑	Water soluble
4	Wash solution	3000	☑	Water soluble
5	Wash solution	3000	☑	Water soluble

5	Bulk fluid Wash solution	3000	0	0 Water soluble	0	☐

Staining procedure

Dispense	Volume (µl)	Time	Heater	Mixes	Aspirate



Anytown Labs, Inc.
123 Elm Street
Anytown, CA

Dako

Case Status Report

Case number	Accession number	Hospital
12345	678543	Downtown Hospital
Name	**Accession date**	**Pathologist**
Smith, James A	1/17/2008	Dr. A

Ready for staining

Slide number	Block	Preparation	Protocol	Primary Antibody	Control	Programmed	Slide Notes
415			PAS/Green	PAS/Green	☐	6/11/2012 3:08:21 PM	
416			PAS/Green	PAS/Green	☐	6/11/2012 3:08:21 PM	
417			PAS/Green	PAS/Green	☐	6/11/2012 3:08:21 PM	
418			PAS/Green	PAS/Green	☐	6/11/2012 3:08:21 PM	
419			PAS/Green	PAS/Green	☐	6/11/2012 3:08:21 PM	
420			PAS/Green	PAS/Green	☐	6/11/2012 3:08:21 PM	
421			PAS/Green	PAS/Green	☐	6/11/2012 3:08:21 PM	
422			PAS/Green	PAS/Green	☐	6/11/2012 3:08:21 PM	

Completed

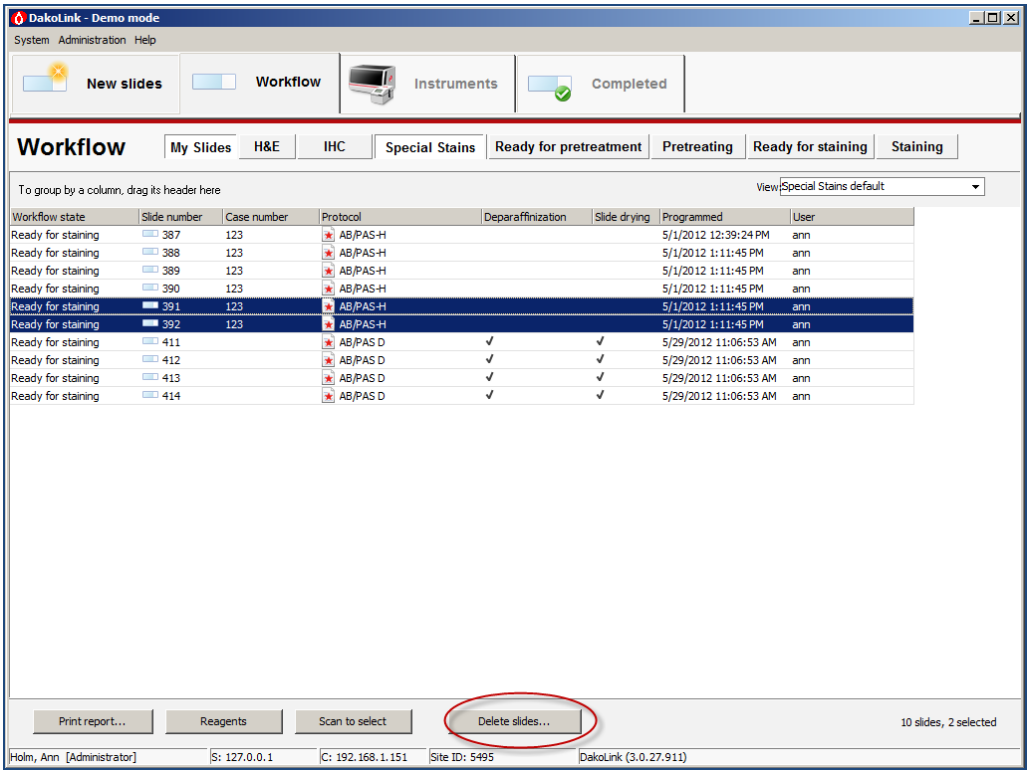
Slide number	Block	Preparation	Protocol	Primary Antibody	Control	Programmed	Completed
8	B123	FFPE	Cytokeratin AE1/AE3	Cytokeratin AE1/AE3	☐	1/29/2008 10:00:44 PM	1/30/2008 12:16:18 AM
9	B123	FFPE	Prostate Specific Antiger	Prostate Specific Antigen	☐	1/29/2008 10:00:44 PM	1/30/2008 12:16:29 AM
10	B123	FFPE	CD45 LCA	CD45 LCA	☐	1/29/2008 10:00:44 PM	1/30/2008 12:16:40 AM
11	B123	FFPE	CD56	CD56	☐	1/29/2008 10:00:44 PM	1/30/2008 12:16:52 AM
12	B123	FFPE	Synaptophysin	Synaptophysin	☐	1/29/2008 10:00:44 PM	1/30/2008 12:17:03 AM
13	B123	FFPE	Chromogranin A	Chromogranin A	☐	1/29/2008 10:00:44 PM	1/30/2008 12:17:14 AM
14	B123	FFPE	TTF-1	TTF-1	☐	1/29/2008 10:00:44 PM	1/30/2008 12:17:25 AM

Delete Slides

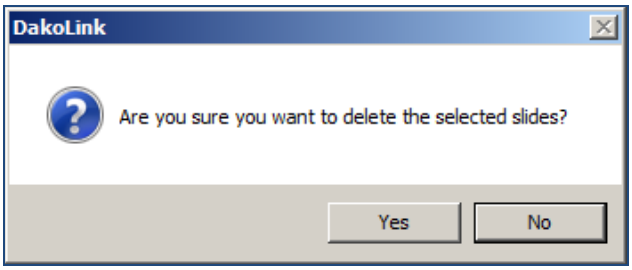
You can delete one or more slides from the workflow list.

CAUTION Labeled slides that have been deleted cannot be run and will be rejected if placed on an instrument.

1. Select (highlight) the slide(s) you want to delete.


DakoLink - Demo mode
System Administration Help
New slides
Workflow
Instruments
Completed
Workflow
My Slides
H&E
IHC
Special Stains
Ready for pretreatment
Pretreating
Ready for staining
Staining
To group by a column, drag its header here
View Special Stains default
Workflow state | Slide number | Case number | Protocol | Deparaffinization | Slide drying | Programmed | User
Ready for staining | 387 | 123 | AB/PAS-H | | | 5/1/2012 12:39:24 PM | ann
Ready for staining | 388 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 389 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 390 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 391 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 392 | 123 | AB/PAS-H | | | 5/1/2012 1:11:45 PM | ann
Ready for staining | 411 | | AB/PAS D | ✓ | ✓ | 5/29/2012 11:06:53 AM | ann
Ready for staining | 412 | | AB/PAS D | ✓ | ✓ | 5/29/2012 11:06:53 AM | ann
Ready for staining | 413 | | AB/PAS D | ✓ | ✓ | 5/29/2012 11:06:53 AM | ann
Ready for staining | 414 | | AB/PAS D | ✓ | ✓ | 5/29/2012 11:06:53 AM | ann
Print report...
Reagents
Scan to select
Delete slides...
10 slides, 2 selected
Holm, Ann [Administrator]
S: 127.0.0.1
C: 192.168.1.151
Site ID: 5495
DakoLink (3.0.27.911)

2. Click the **Delete slides** button. You are prompted to confirm your decision.



3. Click **Yes**. The slide is deleted from the list, but the slide record remains in the database.

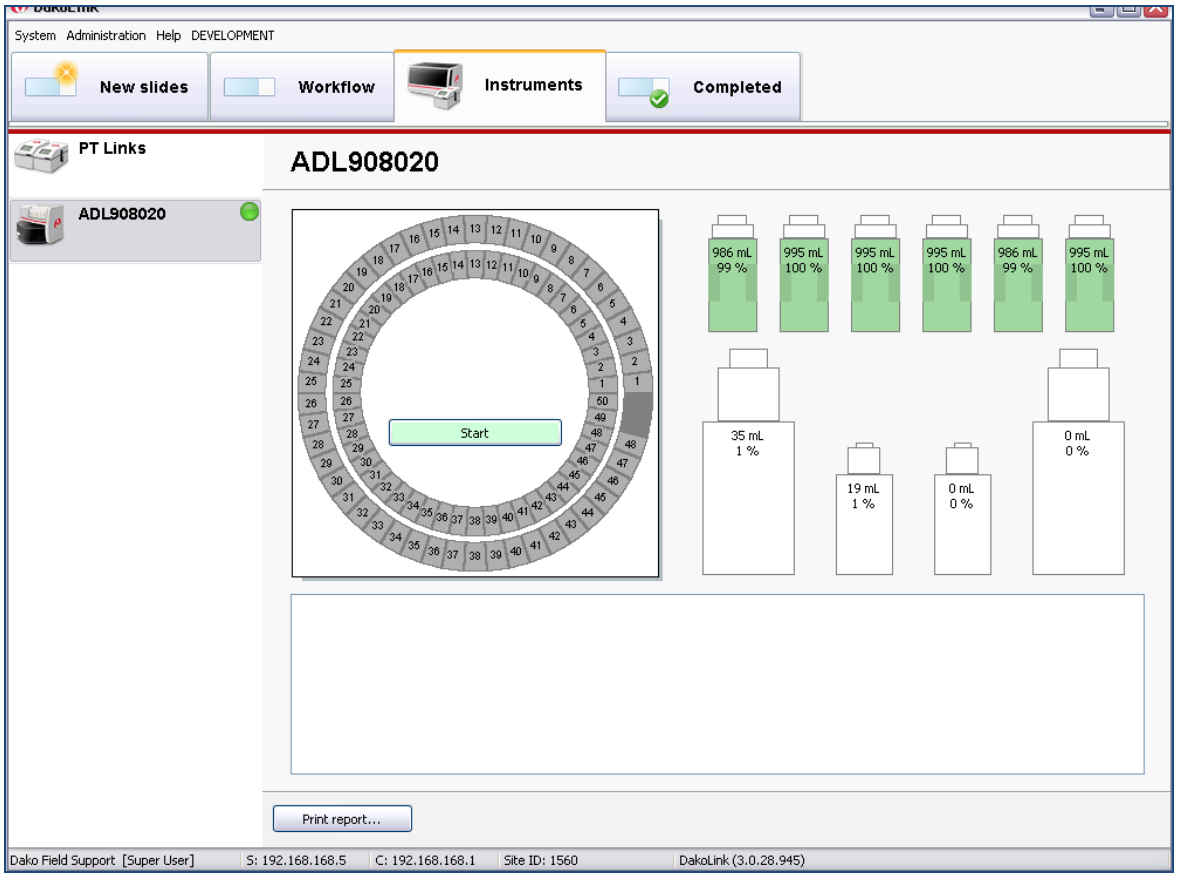
   Or, click **No** to cancel the deletion.

Section 5 | Starting the Run in the Instrument Tab

Once the Artisan™ Link is loaded, you can use the **Instruments** tab to start and monitor the run. When you start the run, the instrument scans the DataMatrix on the slide label. As a result of the scan, the system changes the workflow status on the Workflow tab, lists the scanned slides on the Instruments tab, and records the position of the slide location.

To start the run, complete the following tasks:

- Manage bulk liquids and waste fluids
- Load slides
- Load reagents
- Print reports
- Start the run

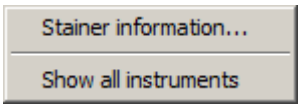


Select the Stainer

If you have multiple Dako instruments, you must first select the instrument you want to use.

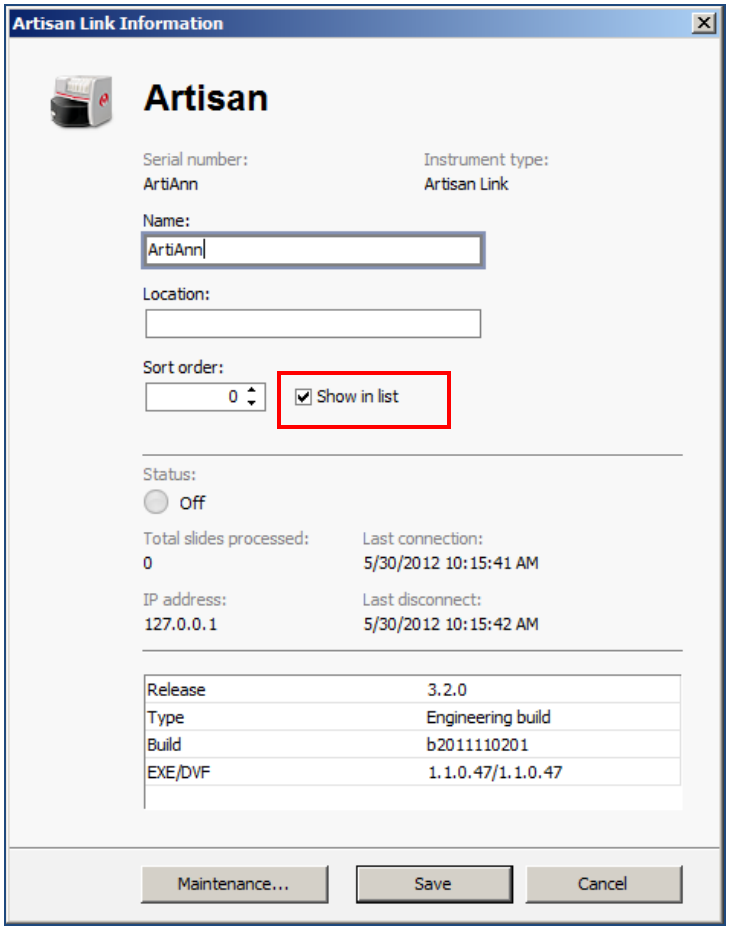
1. In the **Instruments** column on the left side of the screen, click the instrument you want to use. The graphics for the selected instrument display on the right side of the screen.

2. To view stainer information for the selected stainer, right-click anywhere within the **Instruments** column. The following menu displays.



3. Select **Stainer information**. The Stainer information dialog box displays.

Note: The **Show in list** check box must be selected for the stainer to appear in the list.



View a List of Slides on the Stainer

1. To view a list of the slides currently running on the stainer, use the **Workflow** screen.
   - Open the **Workflow** tab.
   - Cick the **Special Stains** button and the **Staining** button. A list of all the slides currently in staining displays.
   - Click the **Instrument** column header to sort by stainer.

Note: If you do not have an **Instrument** column, you can customize your slide lists to display a specific column header. See *Section 7: Managing the Slide Display*.

Manage Bulk Liquids and Waste Fluids

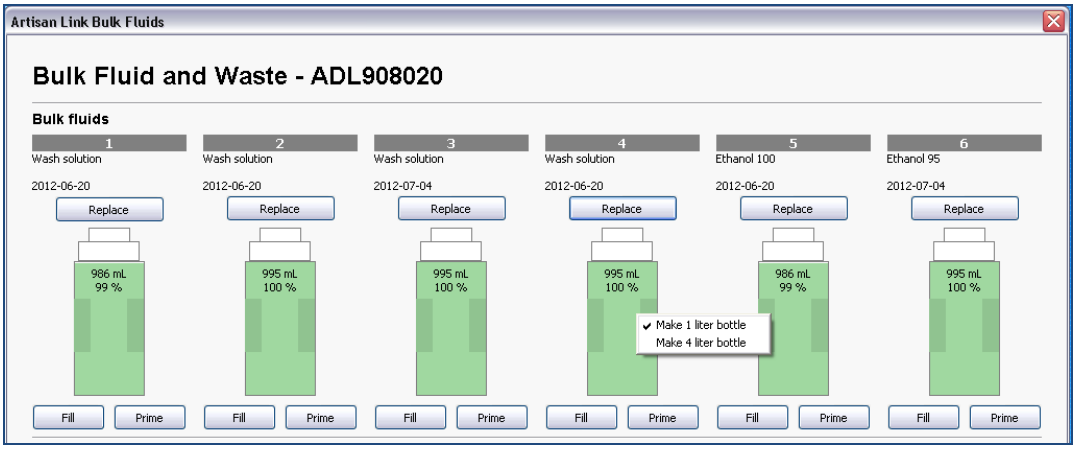
Four classes of bulk fluid liquids are used for slide washing and reagent dilution steps: water soluble, alcohol, trace metal, and combined dye. In addition, four waste fluid bottles are provided in both 1.7 L and 4 L capacity.

Before you start the run, you must manually assign your bulk liquid bottles and waste fluid bottles.

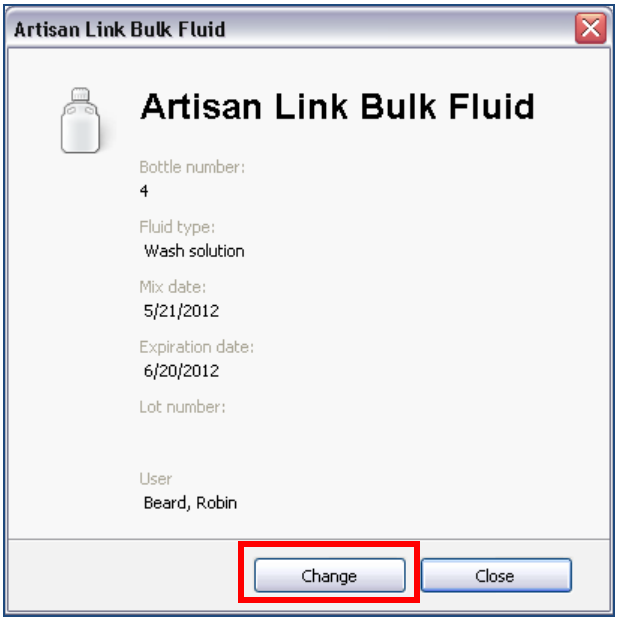
IMPORTANT There are no automated sensors to measure the amount of fluid in the **bulk liquid bottles**. The amount of fluid has to be entered by the user. The Instrument counts the dispenses and subtracts this from the total amount entered. Thus, you always have to enter the amount of bulk liquid manually at the start of the run.

Assign Bulk Liquids

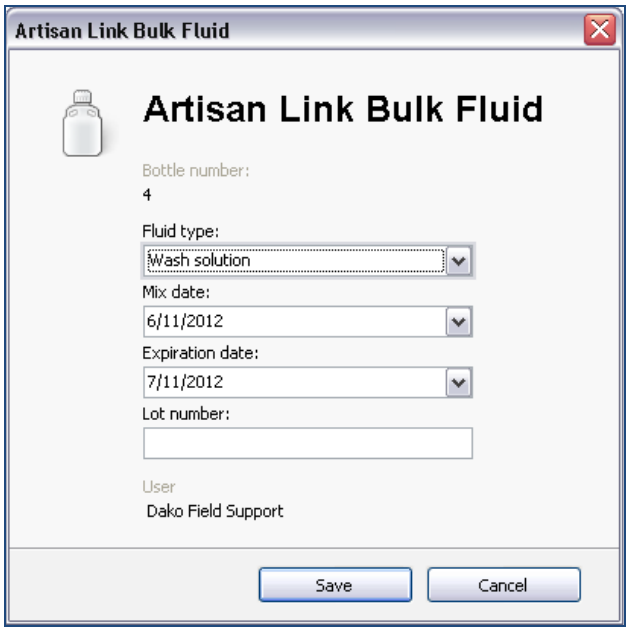
1. Select one of the **Bulk Liquid Bottles** shown in the **Instruments Tab.** The **Artisan Link Bulk Fluids** screen displays.



2. Select the bottle size for the bulk fluid bottle you want to use:
   - Place your cursor in the bottle and right click.
   - Select a liter amount option on the pop-up menu.
3. Click the **Replace** button above the bottle you want to change. The **Artisan Link Bulk Fluid** dialog box appears with the current information for the selected bottle.



4. In the **Artisan Link Bulk Fluid** dialog box, click the **Change** button. The field becomes active, and ready to be edited.



5. In the **Fluid Type** field, use the drop down arrow to select the correct fluid.

Note: If you do not need to use all of the **wash solution** bottles, simply select **None**. The Artisan™ Link will not use the bottle.

6. Click **Save** to accept the change or **Cancel** to cancel the change.
7. Repeat these steps for each of the **bulk liquid bottles** used in the run.

For the current approved bulk fluids, refer to *Appendix C | Specified Bulk Fluids List*.

Fill and Prime Bulk Liquid Bottles

After you have assigned the bulk liquid bottle positions to use, you are ready to enter the amount of reagents in each of the bottles.

1. To **Fill** the bottles:
   - On the **Artisan Link Bulk Fluids** screen, click the **Fill** button under one bottle ***or***
   - Click the **Fill all** button for all bottles.
   - The software will fill in each of the **bulk liquid bottles** with a **green** color

   Note: The **amount** of fluid shown in the **bulk liquid bottles** will always default to **90%,** unless your administrator or manager has set a different default value. This will cause the instrument to switch to the next bulk fluid bottle or alert you of low fluid without actually running out of fluid. If you have less than a full bottle of reagent, simply drag the fluid level up or down using your mouse to achieve the correct amount.
2. To **Prime** the bottles:
   - On the **Artisan Link Bulk Fluids** screen, click the **Prime** button under one bottle
   - ***Or,*** Click the **Prime All** button to prime all of the containers.

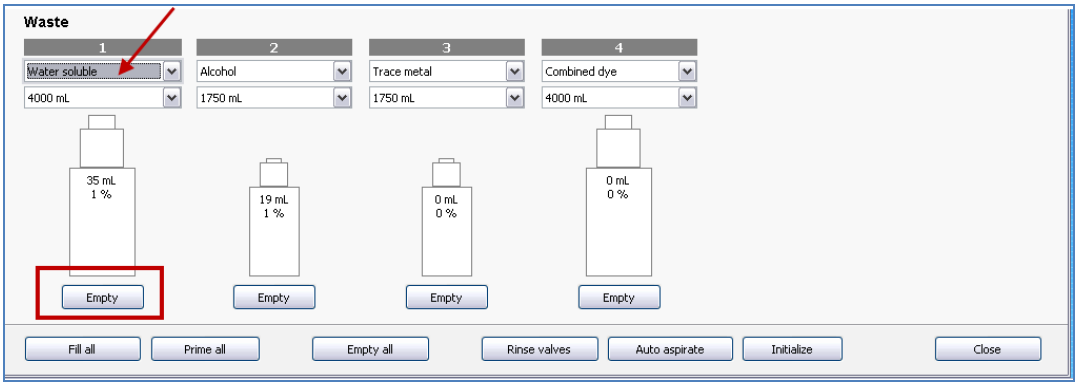
IMPORTANT Always prime your **bulk liquid fluids** after filling a **bulk liquid container**. This will eliminate any air that may be trapped in the line that could cause an inaccurate dispenser of bulk fluid reagent.

3. After the priming is complete, click the **OK** button to go back to the **Instruments Tab.**

Assign Waste Fluid Bottles

You are now ready to assign the **waste fluid bottles**.

1. Click the drop down button for a bottle:



The drop list for the **waste fluid bottle** displays the following items:

- Water Soluble
- Alcohol
- Trace Metal
- Combined Dye

2. Select the waste fluid type for the bottle. The selected type displays in the field.
3. In the field below the type name, select the correct volume for the waste bottle (4L or 1.7 L).

   Hint: The water soluble and combined dye bottles use the 4 liter bottles. The size of the bottle depends on the lab use.

4. After you have assigned the **waste** fluid containers, click the **Empty** button if the bottle is empty. The software will change the containers to white.

As the **waste bottles** fill up, the fill indicator in the bottle will turn **green** to indicate the amount of **waste** in the **bottle.** When the fill indicator turns **red,** the bottle needs to be **emptied**.

For the route of waste flow in Artisan™ Link, refer to *Appendix D | Waste Source Routes*.

Load Slides onto the Slide Carousel

You are now ready to load your slides and reagent packs.

IMPORTANT Wear gloves of the correct size when handling glass slides to prevent injury and maintain slide integrity.

Load Slides with Drying and Clearing On Board

When using the Drying and Clearing on board feature, the slides should be loaded onto the carousel **dry.**

- Slides should be well drained of any excess water obtained from the water bath.
- Water can be drained by allowing the slides to sit vertically for 15 minutes.

You can load slides on any slide platform on the slide carousel. To correctly place the slides onto the Artisan™ Link, do the following:

1. Place the slide with the tissue side up and the frosted end toward you within the guide rails of the slide position.

2. Place a slide clip over the slide with the hook end facing upward and secured into the loop at the back of the slide position.

3. Press down the front end of the clip until it clicks into place and slowly push the clip towards the back of the slide to ensure a proper seal.

4. **DO NOT** add wash solution to the clips.

5. Repeat this process until all the slides are loaded onto the Artisan™ Link.

Load Slides for Protocol without Drying or Clearing

You can load slides on any slide platform on the slide carousel. To correctly place the slides onto the Artisan™ Link, do the following:

Note: The slides should *soak* in *wash solution* for 5-10 minutes prior to loading onto Artisan™ Link.

1. One at a time, remove slides from wash solution.
2. Carefully dry moisture from the back of the slide with a paper towel or absorbent gauze. Be sure to wipe the back of the frosted end of the slide as well.
3. Place the slide with the tissue side up and the slide label end towards you within the guide rails of the slide position.
4. Place a slide clip over a slide with the hook end facing upward and secured into the loop at the back of the slide position.
5. Press down on the front end of the clip until it clicks into place and slowly push the clip towards the back of the slide to ensure a proper seal.

6. Using a squeeze bottle, add 1X wash solution to the slides until the entire slide is covered with a layer of liquid (approximately 3 mL). Be careful to not drip the wash solution between the slides.

Note: Before staining begins, ensure that tissue sections never become dry. Drying the tissue sections will cause drying artifacts.

7. Repeat this process until all slides are loaded onto the Artisan™ Link.

Prime the Reagent Packs

You must prime the reagent packs when you:

- Use a new staining reagent
- Start a new reagent pack
- Start your first run of the day

To prime the reagent packs:

1. Remove the dispense tip cover.
2. Press the dispenser tip button while holding the reagent pack over a secondary waste container (e.g., a plastic container).
3. Press until a full stream of reagent flows from the pack. This removes any air that may be trapped in the dispenser tip.

Load Reagents onto the Reagent Carousel

Now you are ready to load the reagents onto the Artisan™ Link

1. Using the printed **Required Reagent Report** as a guide, place the required reagent packs onto the reagent carousel.

   Note: The instrument starts scanning reagents at position 1. Therefore, you should start loading reagents at position 1.

2. When reagent scanning begins, the instrument scans the reagent positions in the carousel starting with position 1. It will continue scanning from that point until it encounters three (3) empty reagent positions. It then stops scanning for reagents.

DakoLink Bar Code Scanner

You can check the Reagent pack history without having to place the pack onto the reagent carousel by using the **DakoLink Bar Code Scanner.**

- Hold the scanner 1-4 inches from the small square DataMatrix bar code on the reagent pack label.
- Squeeze the trigger on the scanner until you hear a beep.
- The bottle detail screen will appear.

For a list of the current Dako Reagents, refer to the Dako website: http://www.dako.com.

IMPORTANT Be sure to select the correct country on the website. The selection button is in the upper right-hand corner. Reagents can have different regulatory approval statuses in different countries. **You must use only those reagents that follow the regulations required in your country.** If you have questions concerning the reagent approval status in your country, please contact your local Dako representative

Start the Run

You are now ready to begin the staining run.

1. Close the carousel door on the Artisan™ Link.
2. In the **Instrument Tab**, click the **Start** button.

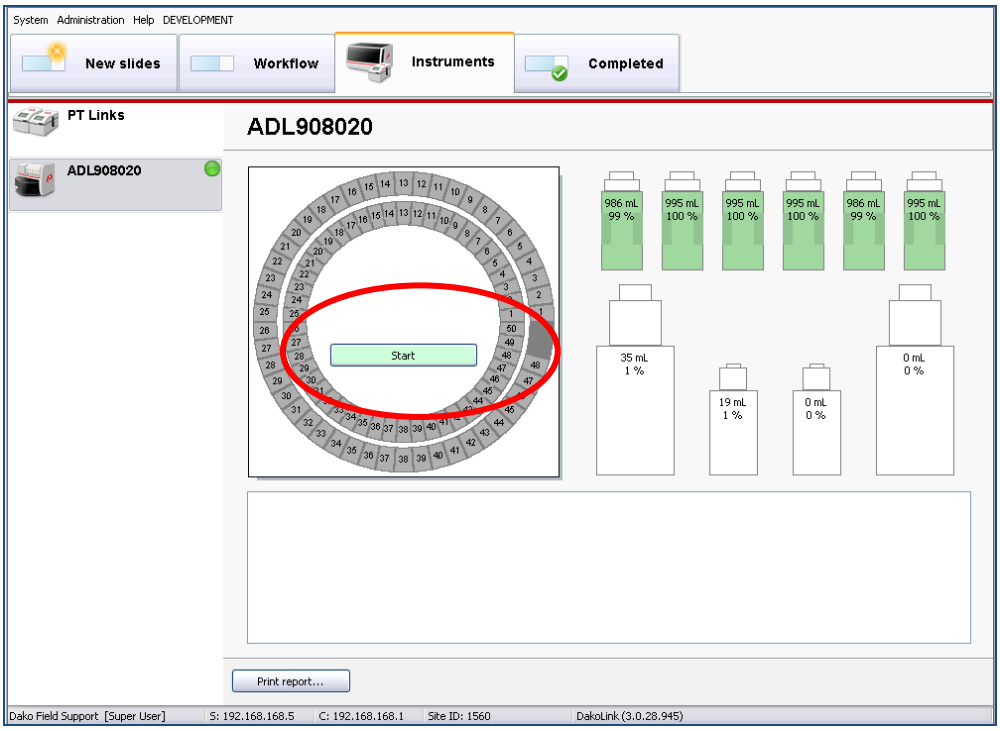
   The instrument will scan the slides to identify them, and scan the reagents to verify that all required reagents are available.

   Note: The reagent scanning starts with position 1 and continues until three (3) blank locations are encountered.

3. After the scanning has finished, one of the following will happen:
   - The slide staining will begin automatically, or
   - If your administrator has configured the system to prompt before starting the run, a confirmation alert will appear. Click the **OK** button in the alert and the staining run will begin.

Note: If insufficient reagents are present, you will receive an error message displaying what is missing. Once the reagents have been addressed, click on **OK** and resume the run.

Note: Opening the carousel door will **abort** the **run.**



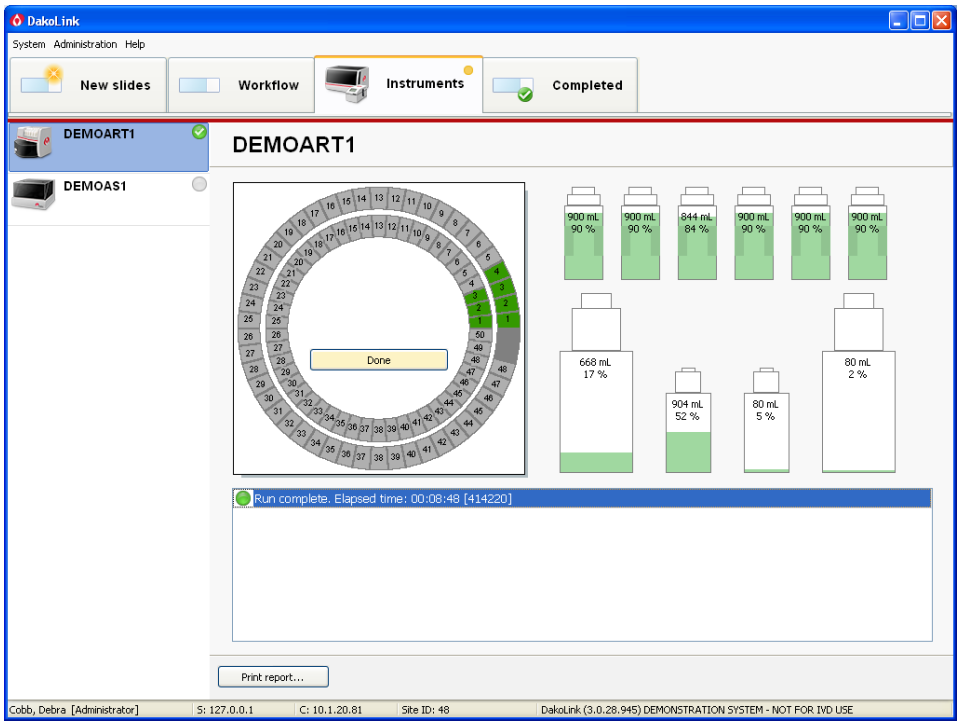
Remove Completed Slides

When the run is complete

- The reagent and slide carousel turn **green**.
- If a Reagent Pack has been used completely, the position on the carousel turns yellow.
- A message displays below the reagent map, stating Run **complete** and Elapsed **time.**
- The **Start** button in the reagent map turns to **done.**

To remove the slides:

1. Click the **Done** button, or open the carousel door. The reagent and slide map return to the color gray and the button returns to **Start**.



2. Pull the slide clip gently towards the front of the instrument.
3. Pinch the plastic tab on the front of the slide clip and lift up.
4. Throw the slide clip into the trash.

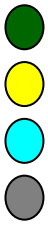
   Note: Never reuse slide clips.
5. Place air-dried slides into a slide coverslipping rack.
6. Place the rack in Xylene or a Xylene substitute.
7. Coverslip the slides.

Note: Reagent packs cannot be stored permanently on the Carousel. Please remove reagent packs when not in use.

Color Legend for Instruments Tab

The following color legend is used to monitor the system on the **Instruments** tab.

Slide Carousel



Staining is complete

Alert

Scanned Slides in process

No slides present

Reagent Carousel

Empty reagent pack

Scanned reagents in use for session

Expired Reagents/Invalid Reagent

Reagent scanned, but not needed for the session

No reagents present

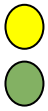
Bulk Liquid

Expired

Fluid Level

Fluid level below 100 mL

Waste



Capacity is less than 100 mL

Level of Waste

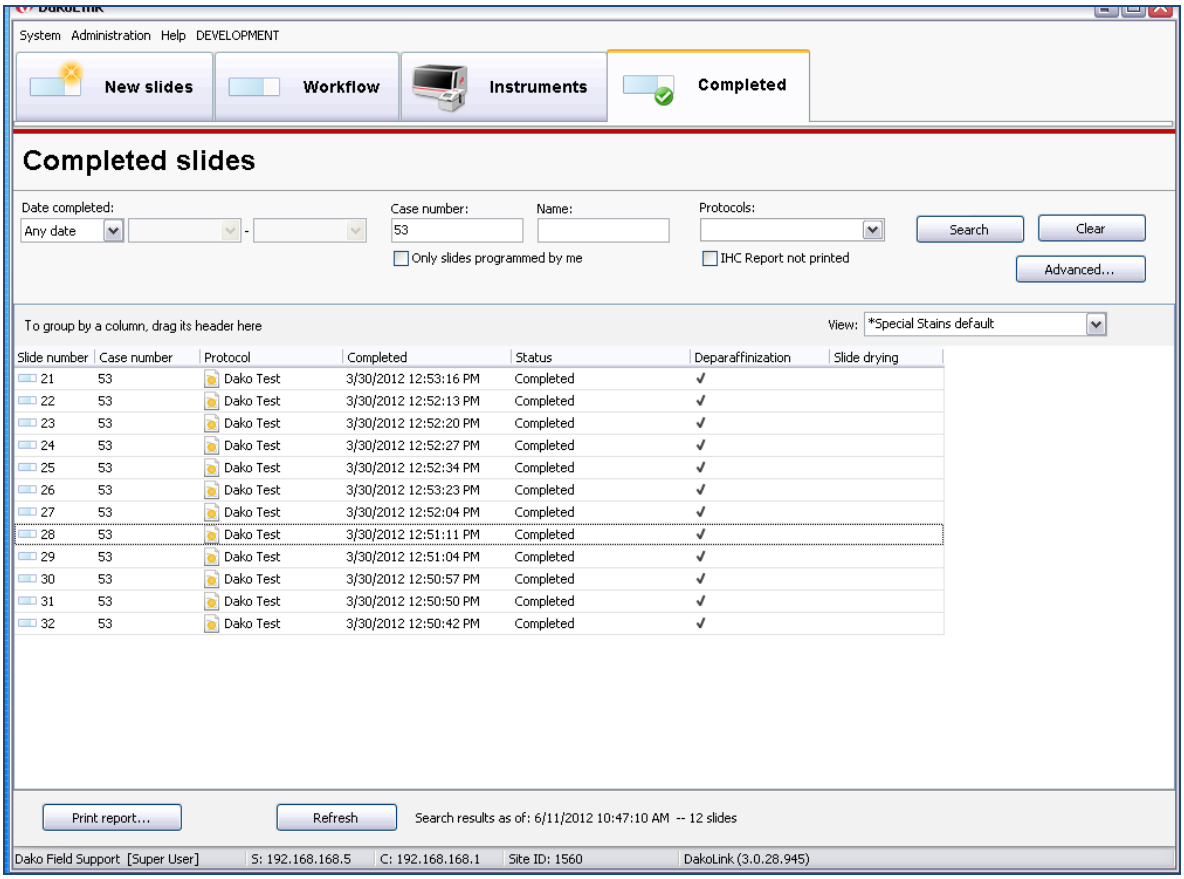
Section 6 | Generating Reports in the Completed Tab

The **Completed** tab allows you to access the historical data for all processed slides. It works like an Internet search page. You specify search criteria, such as a date range or case number, and then press Search. The software displays a list of all slides in the database that meet your criteria.

You can use this screen to

- Specify basic search criteria and display slide records
- Specify advanced search criteria and display slide records
- Print custom reports for completed slide records

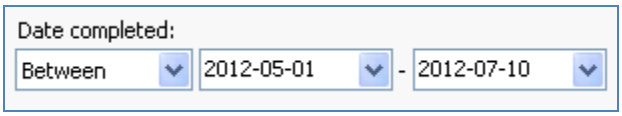
Note: You can perform searches and generate reports for processed slides while the instrument is running. You can always run reports for any completed run.


System Administration Help DEVELOPMENT
New slides
Workflow
Instruments
Completed
Completed slides
Date completed:
Any date
Case number:
53
Name:
Protocols:
Search
Clear
Advanced...
Only slides programmed by me
IHC Report not printed
To group by a column, drag its header here
View: *Special Stains default
Slide number | Case number | Protocol | Completed | Status | Deparaffinization | Slide drying
21 53 Dako Test 3/30/2012 12:53:16 PM Completed
22 53 Dako Test 3/30/2012 12:52:13 PM Completed
23 53 Dako Test 3/30/2012 12:52:20 PM Completed
24 53 Dako Test 3/30/2012 12:52:27 PM Completed
25 53 Dako Test 3/30/2012 12:52:34 PM Completed
26 53 Dako Test 3/30/2012 12:53:23 PM Completed
27 53 Dako Test 3/30/2012 12:52:04 PM Completed
28 53 Dako Test 3/30/2012 12:51:11 PM Completed
29 53 Dako Test 3/30/2012 12:51:04 PM Completed
30 53 Dako Test 3/30/2012 12:50:57 PM Completed
31 53 Dako Test 3/30/2012 12:50:50 PM Completed
32 53 Dako Test 3/30/2012 12:50:42 PM Completed
Print report...
Refresh
Search results as of: 6/11/2012 10:47:10 AM -- 12 slides
Dako Field Support [Super User]
S: 192.168.168.5
C: 192.168.168.1
Site ID: 1560
DakoLink (3.0.28.945)

Perform a Basic Search

Note The search criteria are used in combination to select slide records. For example, if you enter "Robert" in the **Name** field and select GMS in the **Protocol** field, only slide records with GMS protocols **and** "Robert" in the name field are displayed.

1. Access the **Completed** tab.
2. In the **Date completed** section, complete one of the options. A date is required.

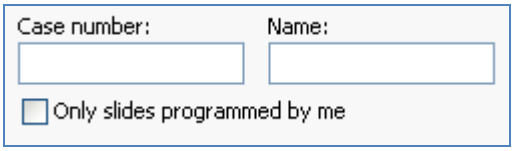


IMPORTANT Use caution when using the **Any date** option. To avoid impacting system performance, it is advisable to limit your search so that the total number of records does not exceed approximately 1000.

Option	Action…..
Today	Select an option from the drop down menu. **Today:** Search by slides processed on the current day. **Between:** Search by slides within the From and To dates. **Any date:** Search by slides on all dates.
From and To	Enter a starting and ending date in the date fields to search by a specific date range. The dates are inclusive.

3. In the **Case criteria** section, complete one of the options.

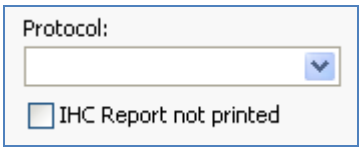
Note: Your administrator may have set up field labels to appear differently than you see in this example.



Option	Action……
Case number	Enter a case identification number to search by case.
Name	Enter the patient name, or a portion of the patient name. For example, if you enter "Dan," records with any portion of the name containing the letters "Dan," such as "Dan Smith," "Daniel Smith," and "Bill Reardan" will be retrieved. The search is not case-sensitive.

Option	Action……
Show only slides you programmed	Select the check box to limit the search to slide records that were added in the **New Slides** screen when you were logged in as the user

4. In the **Slide criteria** section, complete one of the options:



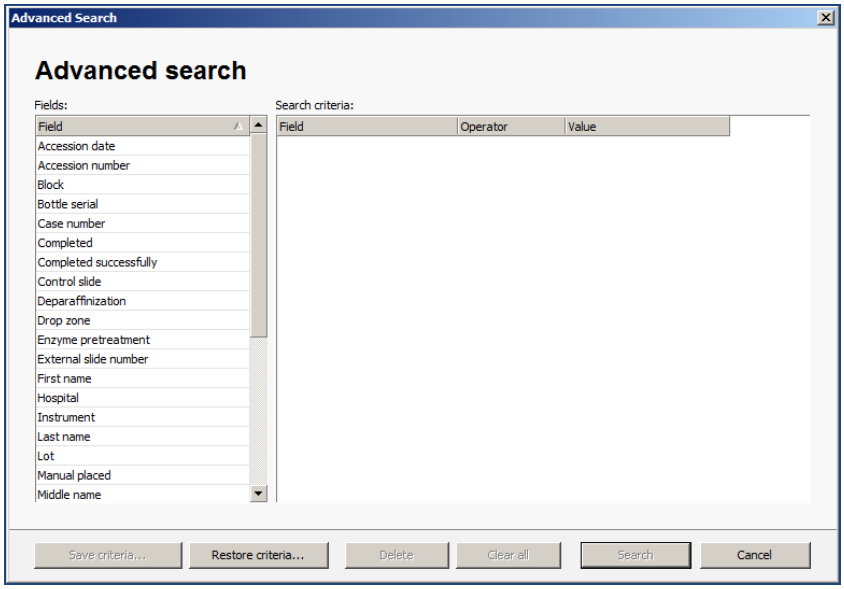
Option	Action…..
Protocol	Use the **Protocol Selector** to choose a protocol. Slides processed with the selected protocol will be retrieved.
IHC Report not printed	Not applicable for Artisan™ Link. Used with Autostainer Link only.

5. After you have specified your search criteria, click the **Search** button. It may take a few moments for the results to appear in the search results list.

Perform an Advanced Search

When you need to search completed slides using criteria not available with the basic search, you can use the advanced search feature to add your own list of search criteria.

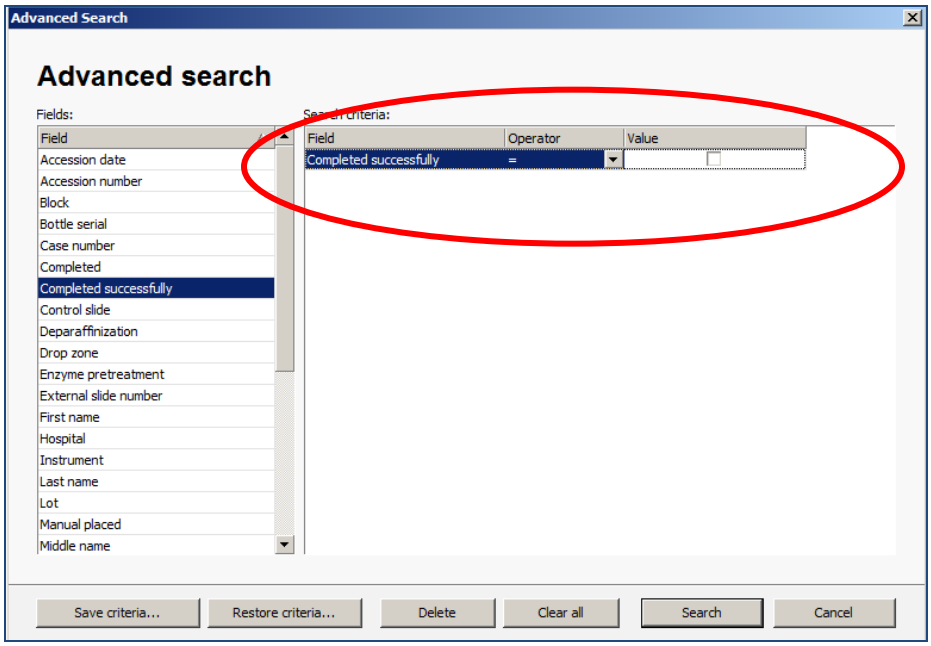
1. Open the **Completed** tab.
2. Click the **Advanced Search** button. The **Advanced search** dialog box displays.



3. Select a field from the list of fields on the left and drag it to the **Search criteria** list on the right. (You can also double-click the field name to add it to the list.)
4. Specify an operator and a value to apply to the selected field. This will narrow the search.

Field	Description
Operator	Indicates the operation to be performed, e.g. =, < (less than), etc.
Value	Criteria used by the operator

In the example below, **Completed successfully** was dragged under **Search criteria**. Note that the **Operator** now has an equal sign (=) and the **Value** has a blank check box.



You can further refine the search by entering a value for equal. If you select the check box, Completed successfully = true. Only slides that were completed successfully will be included in the search.

If you do not check the box, **Completed successfully** equals false. Only slides that were not completed successfully will be included in the search.

You can add several **Search criteria** to each search.

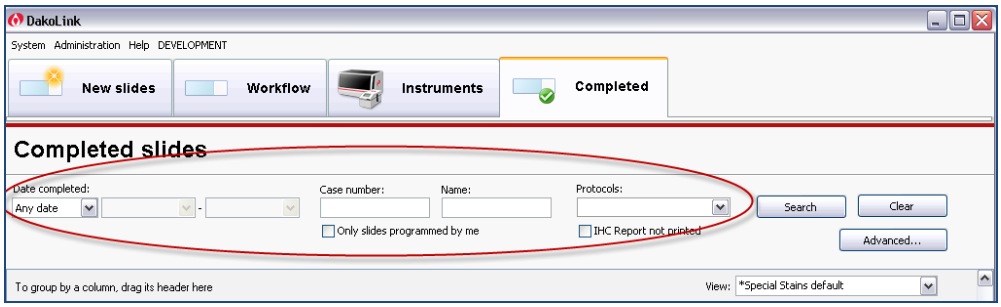
5. To save the search criteria, click on the **Save criteria** button.
6. To delete the search criteria, click on the **Delete** button.
7. To restore the criteria, click on the **Restore criteria** button.
8. To cancel the search, click **Cancel.**

Generate Custom Reports

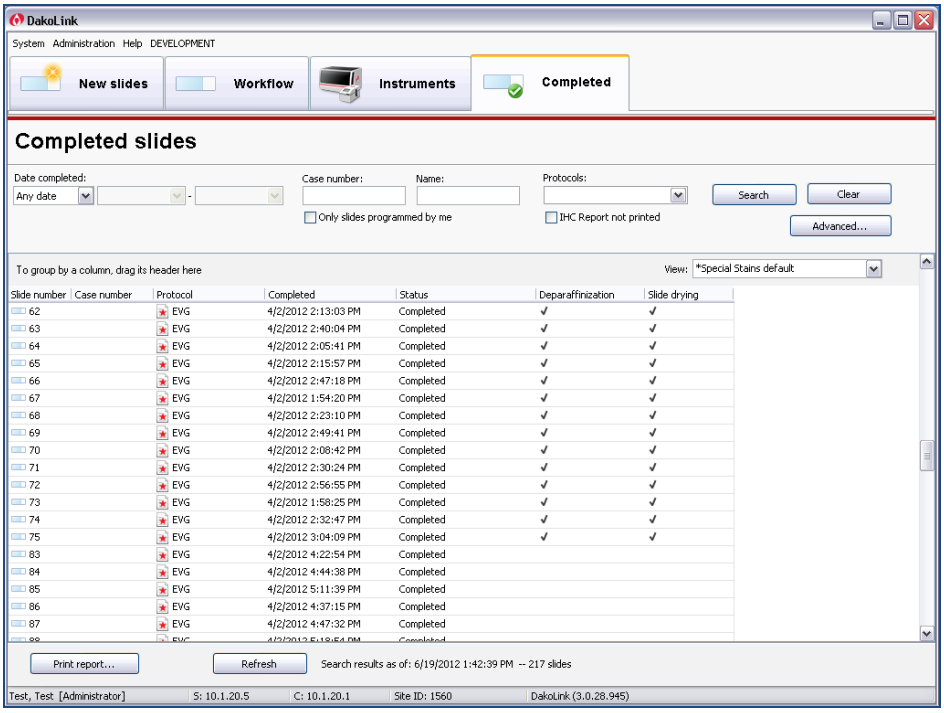
Once the search criteria is entered and displayed on the screen, you can generate a detailed report to preview, print, save, or export.

1. Enter the search criteria (basic or advanced) you want to use in the report. In the following example, the **Date Completed** has been filled in.

   IMPORTANT To avoid impacting system performance, it is advisable to limit your search so that the total number of slide records in the slide list does not exceed approximately 1,000.



2. Click the **Search** button. The results of the search will appear under **Search results.**



   When the search is complete, you can review the slide records or print a report.

3. To print the report, click the **Print report** button.

Section 7 | Managing the Slide Display

Within the system, you can:

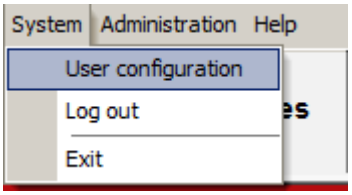
- Customize your general preferences
- Show only slides you programmed
- Customize slide column headings

Customize Your General Preferences

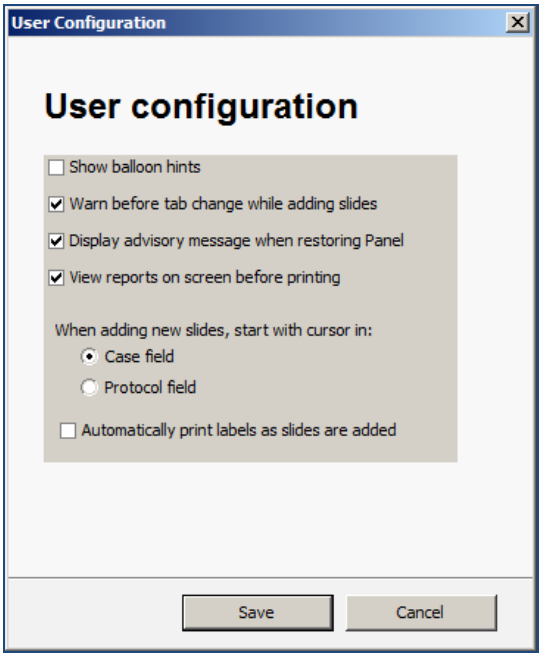
You can use the **User Configuration** dialog box to customize the four tab screens to meet your specific preferences.

> **Note:** Your administrator may not have given you privileges to access the **User Configuration** dialog box.

1. On the **System** menu, select **User configuration.**



The User Configuration dialog box displays.



2. Select the options you want for your personal use.

General preferences	Description
Show balloon hints	Applies to all tabs. Context sensitive help activated when you hover the cursor over any column, button, or object.
Warn before tab change while adding slides	Applies to New Slides tab. A warning displays if you attempt to access another tab and you have not completed the case.
Display advisory message when restoring Pan	Not relevant for Artisan™ Link.
View reports on screen before printing	Applies to all tabs. A report preview displays on the screen when you select a report.

Add slides screen	Applies to New Slides tab only
Case field	When you open the New Slides tab, the cursor starts in the Case field.
Protocol field	When you open the New Slides tab, the cursor starts in the Protocol field.
Automatically print labels as slides are added	If selected, slide labels are printed as you add slides in the New Slides tab. *Print and use labels* must also be selected in the **Slide Label** configuration. If not selected, you must print the labels manually using the **Print Labels** button.

3. Click **Save** to save your changes or click **Cancel** to discard any changes.

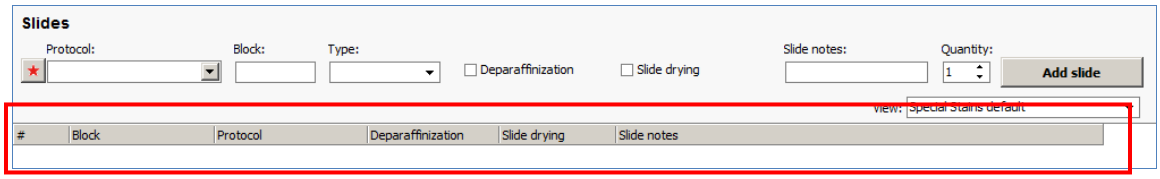
Show Only Slides You Programmed

The Workflow tab lists all slides that have been entered into the system but have not been run on an instrument. You can choose to display only the slides that you programmed.

1. Click **My Slides** in the Workflow buttons.
2. To view slides programmed by all users, unclick the **My Slides** button.

Customize Slide Column Headings

To help you organize and analyze slide information, you can choose the column headings (fields) you want and the order in which they display.

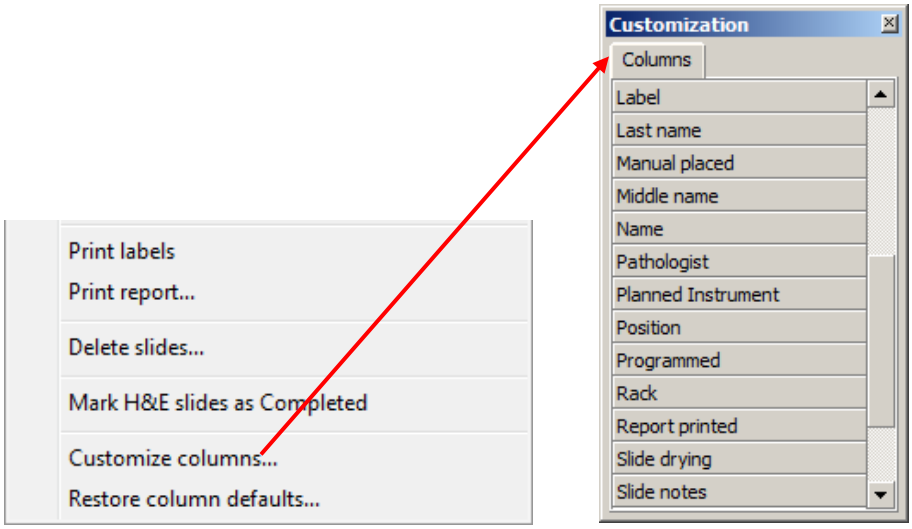


Choose Column Headings to Display

You can customize slide lists to display specific information by adding or removing columns from the list. When you add a column, the data represented by that column becomes visible in your list.

To add or remove columns:

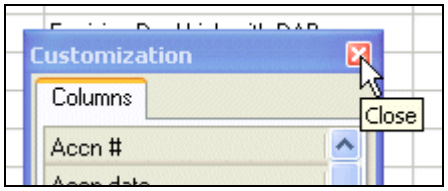
1. Right-click the slide list and select **Customize columns**. The **Customization** window appears.



2. To **add a column** to the list:
   - Select the name of the column in the **Customization** window.
   - Drag the selected column name to the top of the slide list in the location you want. Green arrows indicate where the column will be placed.

3. To **remove a column** from the list:
   - Click the name of the column at the top of the slide list.
   - Hold down the mouse button and drag the column name into the **Customization** window.

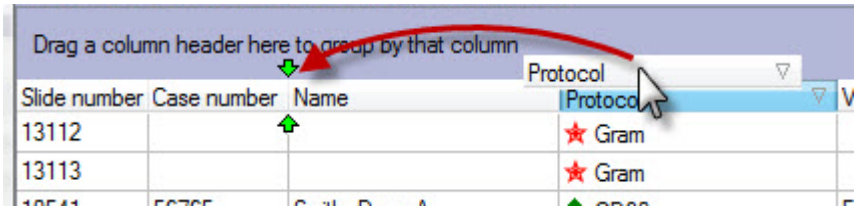
4. When you are finished customizing columns, click the **X** button in the upper right corner to close the **Customization** window.



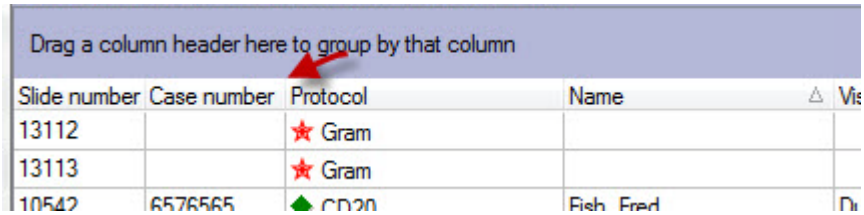
Change Column Heading Order

You can change the order in which columns appear in lists. This is accomplished by dragging a column header to the location where you want it to appear.

1. Click and **hold down** the mouse button on the column header you want to move.



2. While continuing to hold down the mouse button, drag the column header to a new location. Look for the two green arrows to indicate where the column will be relocated.
3. Release the mouse button. The column appears in the new location.



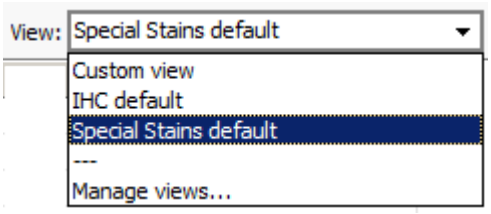
Set Slide List Default View

If you use a specific protocol category and want only the column headings for that category to display in the slide list, you can set it as a default.

> **Note:** The default column settings will display for the New Slides tab, Workflow tab, and Completed tab. In addition, if you exit DakoLink, when you sign in again, the same default column settings will display.

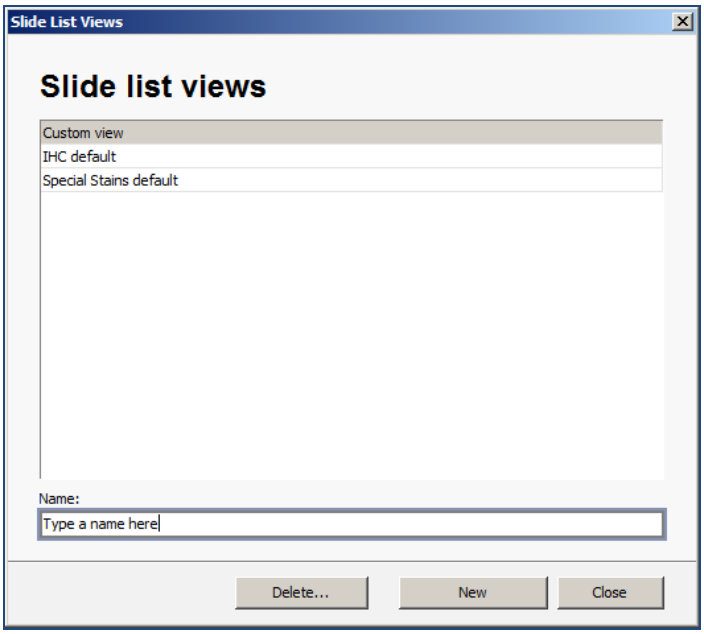
Select a Default Slide List View

1. Click the **View** button. A drop down menu displays.
2. Select a default column headings option. The column headings will change to match the selection.



Add a Custom Default Slide List View

1. Click the **View** button. A drop down menu displays.
2. Select the **Manage views** option. The **Slide list views** dialog box displays.



3. In the **Name** field, type the name of the custom view. (See *Customize Slide Column Headings* for details on how to create a custom view.)
4. Click **New**. The view is added to the list. You may now select is as a default view.

Delete a Custom Default Slide List View

1. Click the **View** button. A drop down menu displays.
2. Select the **Manage views** option. The **Slide list views** dialog box displays.
3. Select (highlight) the name of the custom view.
4. Click **Delete**. The view is deleted from the list.

Restore Column Slide List Defaults

If you made changes to the display columns and you decide you want to return to the original settings, you can restore the default.

1. Right click on the **Slide list** view. A drop down menu appears.
2. Select **Restore column defaults**.

Section 8 | Processing Unlabeled Slides

The system can process slides if the slide label printer is temporarily out-of-order, you run out of slide labels, or if your laboratory does not want to use slide labels printed by the system.

IMPORTANT This mode of operation is **not recommended**. This mode requires you to place slides in specific positions in a rack and place the rack in a specific stainer. Mistakes made using this method cannot be detected because there is no label to scan when the run starts.

For instance, if you accidentally place a slide in a position that is different from the position you designated for that slide in the software, the system **cannot detect the error**. Without a unique slide identification number affixed to each slide, the post-staining correlation with the slide data in the system is a potential problem.

> **Note:** To use this process, **Manually place sides** must be selected in the **Label configuration** dialog box. See *DakoLink Advanced User Guide* for details.

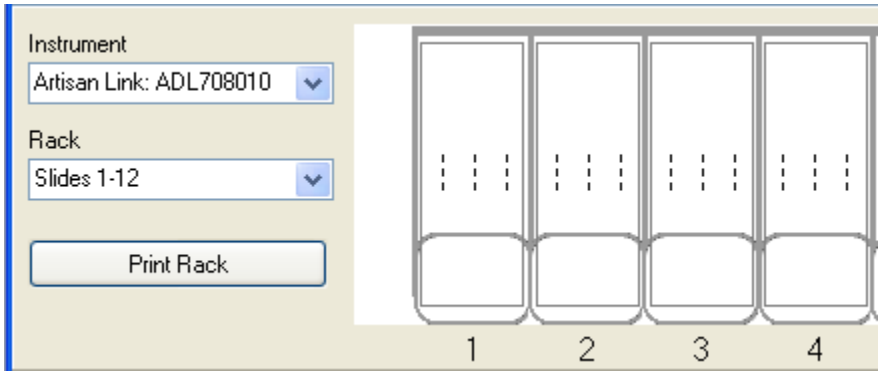
Process Unlabeled Slides

The Artisan™ Link is optimized to use printed slide labels for all slides during routine operation. However, you can process slides even if the label printer is not available.

To process unlabeled slides:

1. On the **Administration** menu, select **Configuration > Label configuration**. The Label Configuration dialog box displays.
2. In the **Setup** section, select **Manually place slides** and click **Save.**

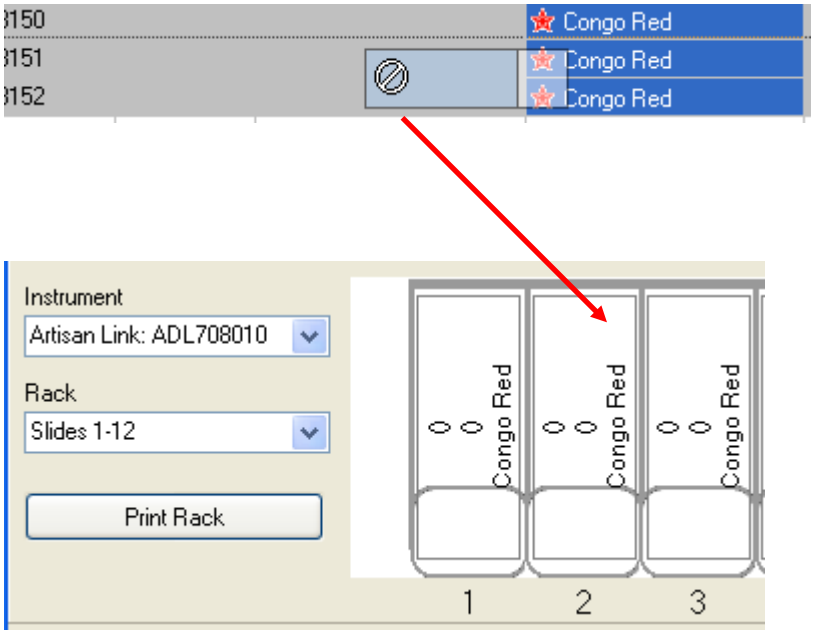
   This mode requires you to use the **Workflow Tab** to manually designate slide placement on the stainer.
3. Open the **Workflow Tab**. The bottom of the screen will look different.



4. In the **Instrument** field, click the drop down menu arrow and select the instrument on which the slides will be placed.

5. In the **Rack** field, click the drop down menu arrow and select the rack you want to use.
6. In the **Workflow Tab**, highlight the stain or stains to be performed.

7. Right click each highlighted stain and drag it to the rack.



Note: To delete manually placed slides, drag the slides back to the workflow list.

8. Once the slide rack is assigned, click the **Print Rack** button to print the slide placement.
9. Place the slides on the slide carousel according to the slide rack print out.

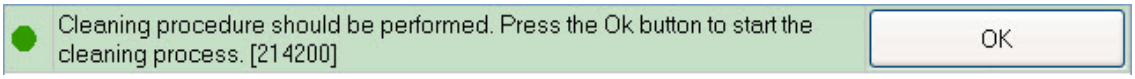
Section 9 | Cleaning and Maintenance

Artisan™ Link Instrument Cleaning Cycle

The software monitors the number of slides since the last cleaning cycle. You are prompted to run the cleaning cycle when it is necessary. Use the Artisan Instrument Reagent Cleaning pack (Code AR314) to clean the instrument.

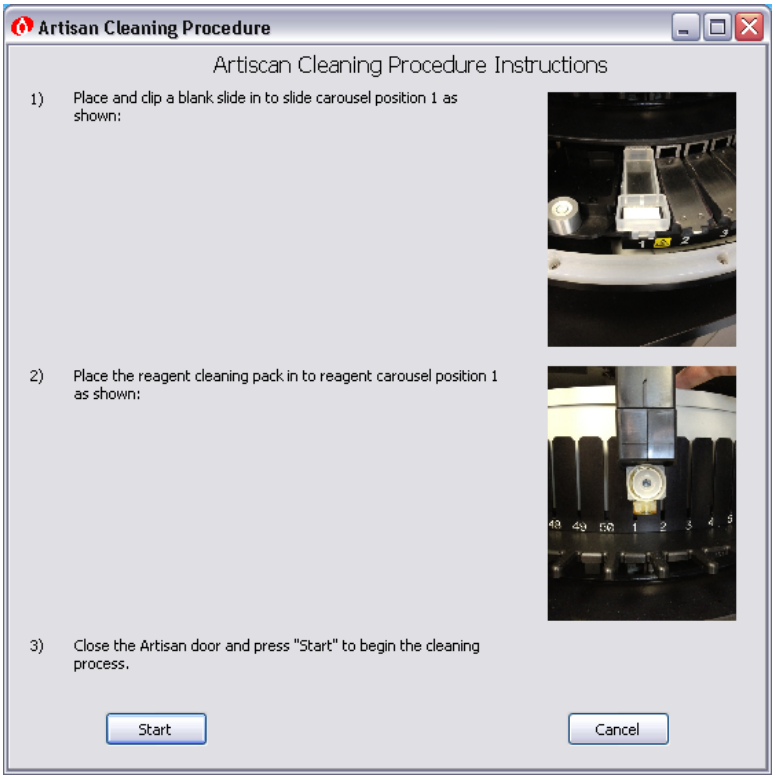
Start the Cleaning Process

1. Press the **OK** button in the cleaning cycle alert displayed in the Alerts list.



Note: You must be using the DakoLink software at a computer connected to the stainer that needs to be cleaned in order for the OK button to be displayed.

A dialog box appears with directions for the cleaning process.


Artisan Cleaning Procedure
Artiscan Cleaning Procedure Instructions
1) Place and clip a blank slide in to slide carousel position 1 as shown:
2) Place the reagent cleaning pack in to reagent carousel position 1 as shown:
3) Close the Artisan door and press "Start" to begin the cleaning process.
Start
Cancel

Note: The Cleaning dialog can also be accessed through the Artisan Control Software (ArtiCS). The ArtiCS can be opened by double clicking on the small Dako logo in the Windows system tray. The Artisan Control Software dialog box displays.

From the Artisan Control Software (ArtiCS) display, click the **Clean…** button to open the Cleaning dialog box.

Once the *Cleaning Dialog* box is displayed:

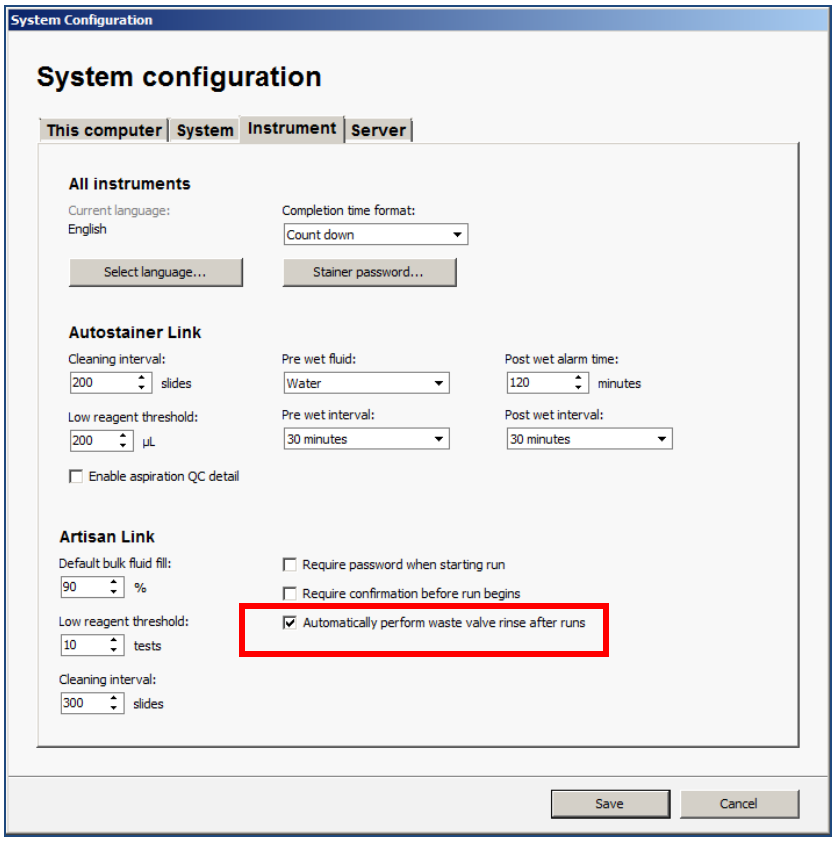
1. Follow the directions listed under **Artisan Cleaning Procedure Instructions**.
2. When steps 1 – 3 are complete, click the **Start** button.

   The stainer scans the positions where the blank slide and reagent cleaning pack should be placed.

   - If the items are not found in the correct positions, the procedure is canceled so that the items can be placed in the correct position.
   - If the items are found in the correct positions, the cleaning process proceeds. During the cleaning process, the status and remaining time are displayed.
3. When the cleaning procedure is complete, the cleaning progress dialog box closes and the instrument turns off automatically.

Perform Waste Valve Rinse

After a run has finished, the waste valve rinse procedure automatically cleans the valves that control waste management in the Artisan™ Link. Your lab manager or system administrator sets this up for you in **System Configuration**.



The waste valve rinse prevents salt deposits from forming and keeps the waste lines and valves free of contamination.

> **Note:** Dako recommends that you activate the check box, **automatically perform waste valve rinse after use**.

When performing a waste valve rinse, the instrument flushes each waste line and valve by dispensing wash solution into the washtub and aspirating. The instrument performs multiple rinses for each waste line to ensure optimal cleanliness.

Perform Routine Maintenance and Cleaning

Routine cleaning and maintenance is essential for reliable operation of the Artisan™ Link. Without this, the reliability of Artisan™ Link may be compromised. The following should be done on a daily basis.

Clean the Slide Platform

Materials needed: Gauze and 1X Wash Solution

To ensure proper contact between the slides and the slide heater plates, follow the protocol below. Clean the slide platform after you unload all slides and shut down the Artisan™ Link.

- Wipe each slide heater plate using a large gauze pad dampened in 1X Wash Solution.
- Dry each slide heater plate with a dry gauze pad.

Clean the Reagent Drip Ring

CAUTION Accumulation of dripped reagent in the drip ring may indicate a problem with *a reagent pack.* Inspect it frequently and clean it daily.

- Use a large gauze pad dampened in 1X Wash Solution.
- Thoroughly wipe the reagent drip ring where accessible.

Check and Clean the Spill Tray

Materials needed: Gauze, 1X Wash Solution, deionized water, and 10% bleach solution

It is important to clean the spill tray daily to ensure that a hazard does not develop from the potential accumulation of corrosive or flammable materials.

CAUTION Frequent accumulation of liquids in the spill tray indicates a leak or aspiration problem with the instrument. If you observe such accumulation, contact Dako's Technical Service Group.

1. Carefully pull the spill tray out from the bottom of the instrument for inspection.
2. Completely remove the tray.
3. If any liquid has collected in the spill tray, use dry gauze to absorb it.
4. Wipe with gauze dampened with deionized water or 1X Wash Solution to clean the tray. You may use a 10% bleach solution if the plastic has been stained by dye.

Monthly Routine Maintenance

Monthly Routine Maintenance includes cleaning bulk fluid bottles.

Clean the Bulk Fluid Bottles

Keep all **bulk fluid bottles** clean to perform properly. Dako Wash Solution does not contain preservatives. If the cleanliness of these bottles is not maintained, contaminants may grow in the lines and affect the quality of the staining results. All bulk fluid bottles should be washed according to good laboratory practices each time before they are filled with fresh reagent. Dako recommends rinsing them with alcohol to remove any potential contaminants.

Note: Do not use bleach in or on Artisan™ Link, ***except for spill tray.*** Bleach may react with other chemicals and create toxic fumes.

Flush Bulk Liquid Lines with Alcohol

Materials needed: bulk liquid bottle with 95% Ethanol (70% Ethanol optional)

Flushing the bulk liquid line clears accumulated deposits from the lines and minimizes contamination.

1. Connect the bulk liquid bottle filled with 95% Ethanol (70% Ethanol optional) to assigned position.
2. Prime assigned position a minimum of three times.
3. Repeat steps 1-2 for remaining bottle positions by reusing the bottle at the next bottle position.
4. Refill the remaining cleaned bottles with the appropriate bulk liquid and replace them on the Artisan™ Link.
5. Click the **Prime All** button.
6. Repeat step 5 five times.

Annual Preventative Maintenance

Annual maintenance must be performed by a trained Dako technician. Contact your local Dako representative for further information.

Section 10 | Training Checklist

You can use the following checklist to review and practice all the steps in the Artisan™ Link workflow. If you have questions about terms, refer to the *Glossary of terms*, located in *Appendix E | Glossary*. If you have questions about concepts, refer to the appropriate section.

Accessing Artisan™ Link

- ❑ Double-click on **DakoLink** icon.
- ❑ Log in using **User Name** and **Password.**

Customizing Artisan™ Link

- ❑ In the **System** menu, select **User configuration.**
- ❑ Select **Preferences.**

Customizing the New Slide Column Headings

- ❑ Select **Special Stains Default** from the **View** drop down menu
  OR – to add a column header
- ❑ Right-click on any **column header.**
- ❑ Click on **Customize columns.**
- ❑ Drag **column headers** not used to **pop-up** box.
- ❑ Drag **column headers** from **pop-up** box to be used **to screen**.
- ❑ Arrange **columns** in the order of preference.

Adding Slides in the New Slides Tab

- ❑ Bring refrigerated **reagents** to room temperature.
- ❑ Prepare **wash solution.**
- ❑ Enter **case number.**
- ❑ Enter **patient information.**
- ❑ In the **Protocol** drop down list, select **Special stains.**
- ❑ Select **stain** to be run.
- ❑ **Add slides.**
- ❑ **Edit** slides, if necessary
- ❑ Select **control** slides.
- ❑ **Print labels and apply to slides.**
- ❑ **Complete case.**

Managing Slides and Reagents in the Workflow Tab

- ❑ Select **My Slides** and **Special Stains** buttons.
- ❑ **Delete slides.**
- ❑ Scan selected **Slide Label using the Hand Held Scanner.**
- ❑ Check for **Required reagents.**
- ❑ Scan/add **required reagents label using the Hand Held Scanner.**
- ❑ **Print reagent report (or Reagents Workflow Planning Report)**
- ❑ Print **slide detail report.**

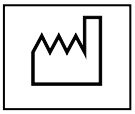
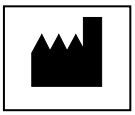
Starting the Run in the Instrument Tab

- ❑ Load slides onto the **slide carousel.**
- ❑ Select **instrument.**
- ❑ Assign **bulk liquids.**
- ❑ Assign **waste bottles.**
- ❑ Prime **bulk liquids.**
- ❑ Empty **waste bottles.**
- ❑ Prime **reagent packs.**
- ❑ Load **reagent packs** onto **reagent carousel.**
- ❑ **Start run.**

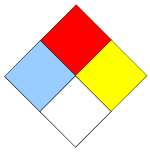
Generating Reports in the *Completed* Tab

- ❑ Generate a **slide list report.**
- ❑ Generate a **slide detail report.**
- ❑ Generate a **case report.**
- ❑ Enter a **search criterion** using a **patient name.**
- ❑ Enter **search criteria** using a **date.**
- ❑ Enter **search criteria** using a **case number.**
- ❑ Enter **search criteria** using a **protocol.**
- ❑ Print a **search report.**
- ❑ Print an **Advanced** search report.

Appendix A | Symbol Definitions

	Instrument Serial Number
	Dako Model Number
	Date of Manufacture
	Alternating Current Input
	In-vitro Diagnostic Medical Device
	Caution, Consult Accompanying Documents
	Identification of Authorized Representative in the European Community
	Identification of Manufacturer
	Xn: Harmful – Substances and preparations which may cause death or acute or chronic damage to health when inhaled, swallowed, or absorbed via the skin. **Xi: Irritant –** Non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, may cause inflammation.

	T: Toxic – Substances and preparations which in low quantities cause death or acute or chronic damage to health when inhaled, swallowed, or absorbed via the skin.
	F: Highly Flammable – Liquid substances and preparations having a very low flash point.
	N: Dangerous for the Environment – Substances and preparations which, were they to enter into the environment, would present or might present an immediate or delayed danger for one or more components of the environment.
	United States DOT (Department of Transportation) Flammable Liquid placard.
	Correct Disposal of this Product (according to Directive 2002/96/EC on Waste Electrical and Electronic Equipment [WEEE] applicable in the European Union and other European countries with separate collection systems). Contact a Dako representative for disposal of the equipment at the end of its working life. This product should not be mixed with other commercial waste for disposal.
	LED Indicator Light Green light indicates power is **ON.**
	LED Indicator Light Amber light indicates run is in progress, **DO NOT OPEN DOOR.**



NFPA (National Fire Protection Agency) Hazard Ratings
Each color coded diamond represents a different hazard in addition to a degree of hazard through a numbering system as defined below.

Blue Diamond – Health Hazard
4 – Severe: Deadly, even the slightest exposure to this substance would be life threatening.
3 – Serious: Extreme danger. Serious injury would result from exposure to this substance.
2 – Moderate: Dangerous. Exposure to this substance would be hazardous to health.
1 – Slight: Irritation or minor injury would result from exposure to this substance.
0 – Minimal: No significant hazard or health risk.

Red Diamond – Flammability Hazard
4 – Severe: Extremely flammable material. Flash point below 73°F (23°C). This substance is extremely flammable, volatile or explosive.
3 – Serious: Flammable material. Flash point below 100°F but above 73°F. Flammable, volatile or explosive at normal temperatures and pressures.
2 – Moderate: Highly combustible material. Flash point below 200°F but above 100°F. Moderately heated conditions may ignite this substance.
1 – Slight: Combustible material. Flash point above 200°F. Substance must be preheated to ignite.
0 – Minimal: Not flammable. Will not burn.

Yellow Diamond – Reactivity Hazard
4 – Severe: May detonate. Substances may explode at normal temperatures and pressures.
3 – Serious: Explosive. Capable of detonation or explosion by heat, shock or water.
2 – Moderate: Unstable. Violent chemicals changes are possible at normal temperatures or pressures or when mixed with water.
1 – Normally stable. Substances which may become unstable at elevated temperatures or pressures or with water.
0 – Stable. Substances remain stable with heat, pressure and with water.

White Diamond – Specific Hazard
- Radiation
- Acid
- Alkali
- Corrosive
- Oxidizer
- Use no water

Appendix B | System Specifications

Item	Description
Artisan™ Link	
Stainer dimensions	26” (65cm) high x 26.25” (65 cm) deep x 39” (98 cm) wide
Electrical requirements (stainer)	100-120/220-240 VAC, 50/60 Hz, 800 W
Operating temperature	Minimum temperature 15° C to maximum temperature 35° C at 15-75% humidity
Storage & humidity requirement	5-50°C at 15-95% for storage
Total slide capacity per stainer	48 glass slides
Total reagent capacity per stainer	50 reagent packs
Connections and Cables	1 Standard Ethernet Cable (for Artisan™ Link connection network) Artisan™ Link power connector for attachment of the power supply cable
Power Supply for stainer	T 6.30 A. 250 V Schurter FST0034.3125 time lag fuse
Reagent dispense volumes	50 mL test pack: 200 dispense strokes 100 mL test pack: 400 dispense strokes
Bulk Fluid Capacity	Six 1L bottles (Optional: 1 off board 4L bottle)
Reagent Waste Capacity	Three 2L bottles, One 4L bottle (Optional 4L bottle to replace 2L bottle)
Artisan™ Link Workstation	
Printer (reports)	Model HP DeskJet 6940 or equivalent
Printer (labels)	Seymour Label Printer Model 3842 or equivalent
Client/Server PC with Operating system	Intel x86 compatible PC specified by Dako Windows XP Professional with SP3
Monitor and keyboard	17 in. flat panel, screen resolution ≥1024 x 768 (XVGA)
Pollution degree	2
Installation category	II

Appendix C | Specified Bulk Fluids List

Dako specifies the following wash solution and solvents for use with Artisan™ Link instruments:

- Wash Solution AR 102
- 100% Reagent Alcohol
- 95% Reagent Alcohol

Appendix D | Waste Source Routes

This chart represents typical use of the *Artisan™ Link and the route of waste flow*. However, it is the responsibility of the *Safety or Laboratory Manager* at the facility of instrument operation to determine the actual waste constituents and the amounts to ensure proper compliance with waste disposal regulations.

Water Waste

Acetic Acid
Acetic Acid Decolorizer
Artisan Cleaning Solution
Artisan Maintenance Solution
Bluing Agent
Hydrochloric Acid
Oxalic Acid
Periodic Acid
Sodium Bisulfate
Sodium Carbonate
Sodium Metabisulfite
Sodium Thiosulfate

Combined Dye Waste

Alcian Blue
Alcian Yellow
Alcoholic Congo Red
Alcoholic Hematoxylin
Alcoholic Formalin
Alpha Amylase
Aniline Blue
Basic Fuchsin
Biebrich Scarlet Acid
Fuchsin
Bouin's Fluid
Carbol Fuchsin
Chromic Acid
Colloidal Iron
Crystal Violet
Eosin Y
Fast Green
Ferric Ammonium Sulfate
Ferric Chloride
Giemsa Stock
Gomori's Trichrome
Hydroquinone
Jenner’s Solution
Light Green
Mayer's Hematoxylin
Methenamine Borate
Methylene Blue Stock
Methyl Green
Nuclear Fast Red
Orcein
Perchloric Acid
Phosphotungstic
Phosphomolybdic Acid
Potassium Ferrocyanide
Potassium Permanganate
Schiff's Reagent
Silver Enhancer
Sodium Chromate
Mucicarmine Stock
Tartrazine
Toluidine Blue
Twort's Fast Green
Twort's Neutral Red
Van Gieson Solution
Weigert's Hematoxylin A
Weigert's Hematoxylin B
Warthin Starry Pretreatment
Wright Giemsa

Trace Metal Waste

Gold Chloride
Silver Nitrate
Ammoniacal Silver Nitrate

*The *Trace Metal Waste* disposal stream is designated for metal reclamation purposes, and should be considered as an *optional waste stream*. If this resource is not available, with the exception of Gold Chloride, all components should be discarded into the Combined Dye Waste. Gold Chloride may be discarded into the Water Waste.

Waste Source Route

Alcohol Waste

Absolute Alcohol
Acid Alcohol
Alkaline Alcohol

Appendix E | Glossary

Artisan™ Link

Artisan™ Link is a system with the appropriate reagents to automate special stains.

Artisan™ Link Robot

The Artisan™ Link *Robot* includes a *reagent carousel* that holds up to *50 Reagent Packs* and a *slide carousel* that holds up to *48 slides*. Each *slide position* has a *heater plate* that can be individually activated per procedure. Six one liter *bulk liquid bottles* are provided for Wash Buffer, 95% Alcohol and 100% Alcohol.

Artisan™ Link System

Artisan™ Link can be utilized to connect up to three instruments as a stand-alone *Artisan™ Link system*, a *networking system using a LAN* (DakoLink) system, or a *Laboratory Information System (LIS)*.

Artisan™ Link Workflow

There are *four steps (**tabs**)* that comprise the *flow of slides* through the Artisan™ Link System: **Add New Slides**, **Workflow**, **Instruments**, and **Completed**.

Artisan™ Link Workstation

The *Artisan™ Link workstation* is a *Microsoft Windows®-based PC and slide labeling system* that runs the *Artisan™ Link software*. Each workstation has full access to a database that contains all historical slide information for the entire installation.

Balloon Hints

Types of *context-sensitive help* that you can use in all the tabs. To activate balloon hints, just *hover* over any column, button, or other object.

Bulk Liquid

One of *four classes of liquids* used for slide washing and reagent dilution steps: *water soluble*, *alcohol*, *trace metal*, and *combined dye*.

Bulk Liquid Bottle

A refillable plastic bottle housed on the system to dispense bulk liquids.

Patient Case

You can complete *case and patient information* by filling in text entry boxes in the **New Slides Tab** under **Patient case**.

Completed Tab

After slides are stained, you can generate custom reports of their slide records on the **Completed Tab**, including detailed run logs.

DakoLink

The *DakoLink software* manages and monitors all the Dako staining instruments on the network.

Dako Glass Slide Labeling System

Generates chemical-resistant, self-adhesive, customizable labels designed for use in high stress, chemically rigorous laboratory environments with up to five lines of text and a 2D barcode.

Dako Glass Slide Label Printer

The *slide label printer* provides a chemical-resistant, self-adhesive customizable label for use in high-stress, chemically rigorous laboratory environment. Slides need to be labeled prior to processing.

Instruments Tab

You manage the bulk liquids and waste fluids, load slides, load reagents, print reports, start the staining runs, and monitor runs in progress for all instruments on your network.

LIS (Laboratory Information System)

LIS can be interfaced with the DakoLink software.

Maintenance, Annual Preventative

Annual maintenance must be performed by a trained Dako technician. Contact your local Dako representative for further information.

Monthly Maintenance

Monthly maintenance includes *cleaning bulk fluid bottles*.

Maintenance, Routine

Routine cleaning and maintenance is essential for reliable operation of the Artisan™ Link. Without this, the reliability and life of Artisan™ Link may be compromised. The following should be done on a daily basis: Clean the slide platform, clean the reagent drip ring, and check and clean the spill tray.

New Slides Tab

Assigning slides, protocols, and printing labels in the system.

Workflow Tab

A list of slides that are waiting to be placed on instruments for staining, are assigned to a specific stainer for staining, or are currently in staining,

Protocols

Synonymous with *procedures* in Artisan™ Link

Power Supply

Supplies power to the Artisan™ Link Instrument.

Reagent

A solution applied to a slide from a reagent pack during slide staining.

Reagent Carousel

Motorized, rotating assembly that holds up to 50 reagent packs.

Reagent Pack

A bar-coded container holding reagent that is dispensed onto slides

Reports

You can generate reports for all slides and reagents in all steps of the Artisan™ Link.

Search Criteria

You can conduct searches by using date completed, case number, or protocol criteria.

Server

A CPU that serves as a central database which stores all information, including a detailed record for every stained slide

Slide Carousel

Motorized, rotating assembly that holds up to 48 slides. Opening the carousel door will stop the run.

Slide Clip

A disposable plastic housing that locks each slide onto the slide carousel to create a reaction chamber for each slide.

Slide Identification Information

You can enter information about slides under **Slides** in the **New Slides Tab**. **Protocol** is the only required information, where you can select a protocol from a list of special stains. Other optional information (fields) includes **Block, Type, Slide notes, Deparaffinization,** and **Slide drying.**

Slide Label

A chemical resistant, self-adhesive customizable label for use in high-stress, chemically rigorous laboratory environment

Slide Label Printer

Printer that prints the chemical resistant labels

Staining Instruments

The Artisan™ Link can include multiple staining instruments, up to three staining instruments per workstation, including one or more Artisan™ Link and/or Autostainer Link Instruments. Both types of instruments use the *DakoLink software.*

Staining Procedures

Synonymous with *protocols* in Artisan™ Link

System

The Artisan™ Link Special Stains System

Waste

Reagent or bulk liquid that has been aspirated off of a slide.

Waste Bottle

A reusable plastic bottle attached to the system to collect wastes.

Waste Fluid Bottles

Four waste fluid bottles are provided in both 1.7 L and 4 L capacity. The *DakoLink software* tracks waste to four separate containers.

Waste Valve Rinse

After a run has finished, the *waste valve rinse procedure* cleans the valves that control waste management in the Artisan™ Link. *The waste valve rinse* prevents salt deposits from forming and keeps the waste lines and valves free of contamination. When performing a waste valve rinse, the instrument flushes each waste line and valve by dispensing wash solution into the washtub and aspirating. The instrument performs multiple rinses for each waste line to ensure optimal cleanliness. Dako recommends that you have the Artisan™ Link perform this automatically.

Workstation PC

A Windows-compatible PC runs the *DakoLink software*, which provides your primary control and interaction with the system. Each installation maintains a *central database* where all information is stored, including a *detailed record* for every *stained slide*.

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